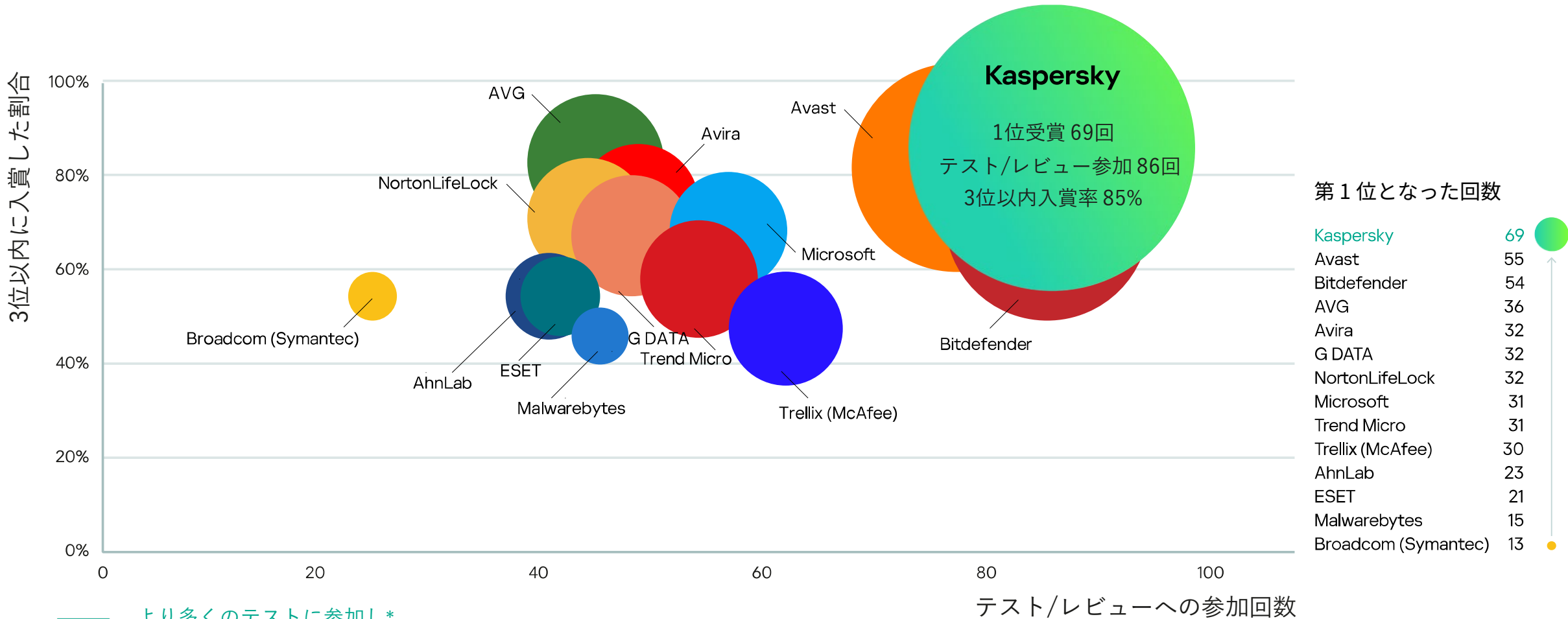


2022年の第三者機関テストで高い評価を獲得

カスペルスキー製品は、2022年に第三者機関が実施したセキュリティ製品テストと製品レビューに86回参加しました。そのうち1位を69回、上位3位以内を73回（入賞率85%）獲得しています。



より多くのテストに参加し*
より多くのトップ評価を得た*
カスペルスキーの保護

*kaspersky.co.jp/top3

注)

- 2022年に実施された法人、個人、モバイル向け製品の第三者機関テスト結果をKasperskyが独自に集計したものです。
- 第三者機関にはAV-Comparatives, AV-TEST, ICESA Labs, MRG Effitas, SE Labs, Testing Ground Labs, Virus Bulletinが含まれます。
- 各テストは既知および未知の脅威ならびに高度な攻撃に対する防御性能を対象にしています。
- 円の大きさは1位受賞の回数を表しています。

2022年 第三者機関テスト - TOP3メトリック 集計詳細

TOP3メトリックは、1年間に実施された第三者機関によるテスト結果をKasperskyが独自に集計したものです

主な指標であるTOP3スコア（上位3位への入賞率）は、集計期間中にベンダーが参加した第三者機関によるテストにおいて、そのベンダーの製品が1位、2位、または3位を何回受賞したかを示します。TOP3スコアは、ベンダーの1位、2位、3位獲得回数を、そのベンダーのTOP3カウンター（参加回数）で割って算出します。

TOP3スコアは、参加ベンダーごとに計算します。

- 最終的なテスト結果はテストによって異なり、参加ベンダーに賞が授与される場合や、検知率や誤検知数のリストのみが提示される場合があります。
ベンダーのTOP3カウンターは、賞の受賞またはテストで3位以内に入った場合のどちらかに対して加算されます。賞の受賞とテストでの3位以内獲得の両方が加算されることはありません。
複数のベンダーが検知率や集計結果で同じ結果を出した場合や同じグレードの賞を受賞した場合、これらのベンダーは当該テストで同率順位の扱いになります。
検知率または集計結果の場合、結果が同率順位のベンダーより低いベンダーの順位は「上位ベンダーの数+1」として計算されます。たとえば、順位が「1,1,2,3」という並びになることはなく、「1,1,3,4」「1,2,2,4」、または「1,1,1,1,6」となります。TOP3カウンターに加算されるのは、太字の順位のベンダーのみです。
賞に関しては、後述しているテストの説明に挙げたルールを参照してください。
- ベンダーの参加回数は、そのベンダーの製品のいずれかがテスト/レビュー/オーバービューに参加するごとに加算されます。
テストによっては、ひとつのベンダーから複数製品が同じテストに参加できる場合があります。その場合、製品ごとに参加回数を加算するため、参加回数がテストの合計数より多くなる場合があります。

グラフには、テスト合計数の35%以上に参加したベンダーの結果のみを表示しています。

2022年のスコアは2023年2月1日時点のデータを集計しました。この日以降のテスト/レビュー結果は含んでいません。

TOP3スコアには、次のセキュリティベンダーの結果が含まれています。Avast、AVG、Avira、Bitdefender、Blackberry (Cylance)、Broadcom (Symantec)、BullGuard、Crowdstrike、ESET、F-Secure、G DATA、Kaspersky、Microsoft、NortonLifeLock、Palo Alto、Panda、Sentinel One、Sophos、Trellix (McAfee)、Trend Micro、Quick Heal、VMWare (Carbon Black) ほか。テストに参加した全ベンダーリストは本文書の最後に記載しています。

	参加 テスト数	上位3位 入賞回数	上位3位 入賞率 (%)	1位受賞 回数
Kaspersky	86	73	85%	69
AVG	46	38	83%	36
Avast	78	63	81%	55
Avira	48	35	73%	32
NortonLifeLock	46	33	72%	32
G DATA	47	32	68%	32
Microsoft	57	38	67%	31
Bitdefender	86	55	64%	54
Trend Micro	54	32	59%	31
AhnLab	41	23	56%	23
ESET	42	23	55%	21
Trellix (McAfee)	63	31	49%	30
Malwarebytes	46	15	33%	15
Broadcom (Symantec)	24	13	54%	13

* Broadcom (Symantec) は、テストの合計数の21%にしか参加していませんが、同社の結果はグラフに表示する価値があると当社は判断しました。

2022年 TOP3メトリック詳細 (1)

ここでは、高度な脅威や誤検知など、さまざまな種類のマルウェアに対して実施されたテストを紹介します

特定の脅威

APT

- AV-Comparatives. Advanced Threat Protection Test: Consumer and Business
- AV-Comparatives. Endpoint Prevention and Response (EPR) test
- AV-Comparatives. LSASS Credential-Dumping Security Test
- AV-TEST. Advanced Threat Protection Test: Consumer and Business
- ICSA, Advanced Threat Detection Certification
- SE Labs. Enterprise Advanced Security (EDR) Test – Detection

ランサムウェア

- AV-Comparatives. Advanced Threat Protection Test: Consumer and Business
- AV-Comparatives. Business Security Test
- AV-Comparatives. Malware Protection Test
- AV-Comparatives. Real-World Protection Test
- AV-TEST. Advanced Threat Protection Test: Consumer and Business
- AV-TEST. Bi-Monthly Certification: Consumer and Business
- MRG-Effitas. 360 Assessment & Certification
- SE Labs. Enterprise Advanced Security (EDR) Test – Detection
- SE Labs. Enterprise Endpoint Protection Test
- SE Labs. Home Anti-Malware Protection Test
- SE Labs. Small Business Endpoint Protection Test

ファイルレス

- AV-Comparatives. Endpoint Prevention and Response (EPR) test
- AV-Comparatives. Advanced Threat Protection Test: Consumer and Business
- MRG-Effitas. 360 Assessment & Certification
- SE Labs. Enterprise Endpoint Protection Test
- SE Labs. Home Anti-Malware Protection Test
- SE Labs. Small Business Endpoint Protection Test

エクスプロイト

- AV-Comparatives. Advanced Threat Protection Test: Consumer and Business
- MRG-Effitas. 360 Assessment & Certification
- SE Labs. Enterprise Advanced Security (EDR) Test – Detection
- SE Labs. Enterprise Endpoint Protection Test
- SE Labs. Home Anti-Malware Protection Test
- SE Labs. Small Business Endpoint Protection Test

フィッシング

- AV-Comparatives. Anti-Phishing Test

実環境テスト

- AV-Comparatives. Advanced Threat Protection Test: Consumer and Business
- AV-Comparatives. Business Security Test
- AV-Comparatives. Real-World Protection Test
- AV-TEST. Advanced Threat Protection Test: Consumer and Business
- AV-TEST. Bi-Monthly Certification Consumer and Business

- CyberRatings. Endpoint Protection Comparative Test
- MRG-Effitas. 360 Assessment & Certification
- SE Labs. Enterprise Endpoint Protection Test
- SE Labs. Home Anti-Malware Protection Test
- SE Labs. Small Business Endpoint Protection Test

Androidテスト

- AV-Comparatives. Mobile Security Review
- AV-TEST. Android Mobile Security Products Test: Consumer and Business
- MRG Effitas. Android 360 Assessment Programme
- Testing Ground Labs. Android Malware Detection Test: Consumer and Business

Macテスト

- AV-Comparatives. Mac Security Test & Review
- AV-TEST. Mac Detection & Performance Test: Consumer and Business

専門テスト

- AV-Comparatives. Parental Control Certification
- AV-TEST. Parental Control Certification
- AV-TEST. VPN Test

誤検知 (FP)

- 前述の全てのテストのうち、FPの測定が含まれるもの

2022年 TOP3メトリック詳細 (2)

このページ以降のテストは、2022年に実施されTOP3メトリックの算出に利用したものです。テスト実施機関とテストはアルファベット順です。

AV-Comparatives

• Product of the Year

At the end of the year, this annual award is given to the Consumer related product which attained the highest awards in an entire year's testing cycle, involving the following tests: two Malware Protection Tests (MPT) + two Real-World Protection Tests (RWPT) + two Performance Tests + Advanced Threat Protection Test (ATP, formerly known as Enhanced Real-World Test). According to AV-Comparatives' rules, in cases where two or more products receive the same maximum score, the award goes to the product which gained the highest individual scores and did not receive it the previous year. The seal is counted as a first place in the TOP3 metric.

Products which were nominated, but did not receive the 'Product of the Year' award, are given the 'Outstanding Product' rank for their vendors, which counts as a second place in the TOP3 metrics. Products which achieved at least 90 points across the entire test cycle are awarded the 'Top Rated' rank for their vendors, which counts as a third place in the TOP3 metric. Products that fail to score any points in, at least, one of the tests are excluded.

At the end of the year, medals ('Gold', 'Silver', 'Bronze') are also given for the best results in specific tests: MPT, RWPT, Performance, ATP . As these test results have already contributed to overall TOP3 metrics, the medals themselves do not count towards it since 2015. Only awards can contribute towards TOP3 counters in AV-Comparatives tests.

• Malware Protection Test

This test is a successor of the File Detection Test and includes execution of the tested files. It is conducted twice a year and, correspondingly, is counted two times in the metrics. The test consists of two parts: Detection Rate and False Positives.

Products receive the following awards: "Advanced+", "Advanced", "Standard" or "Tested". Only products with "Advanced+" gain an increment of TOP3 counters for their vendor.

• Real-World Protection Test

The test lasts for four months and is finalized in a half-year report using mainly current, visible, and relevant malicious websites/malware. The test is conducted twice a year and, correspondingly, counted two times in the metrics. Because all product components contribute a significant role in overall protection, results achieved in this category are a good indicator of anti-malware product efficiency in real-world scenarios.

Products receive the following awards: "Advanced+", "Advanced", "Standard" or "Tested". Only products with "Advanced+" gain an increment of TOP3 counters for their vendor.

• Advanced Threat Protection Test: Consumer and Business

This test uses hacking and penetration techniques that allow attackers to target specific external computer systems, and evaluates how well security products protect against such attacks. This test checks protection against targeted advanced threats, such as exploits and fileless attacks.

Despite all products from consumer Main-Test-Series are expected to be tested by default, the vendors were given the opportunity to opt out of this test before the test started, which is why not all vendors are included in this test. This test is conducted and counted in the metrics once a year. Consumer and Business related products are assessed separately.

Consumer products receive the following awards: "Advanced+", "Advanced", "Standard" or "Tested". Only products with "Advanced+" gain an increment of TOP3 counters for their vendor.

Business products which block at least 8 of the 15 attacks used in the test, without blocking non-malicious operations, are certified by the test lab and gain an increment of TOP3 counters for their vendor.

• Endpoint Prevention & Response (EPR) Test

This test is performed and counted once a year and evaluates security solutions response capabilities (active response, passive response) to targeted attacks, ability to take remedial action, investigate the nature of an attack, collect and show information on indicators of compromise in an easily accessible form. The effectiveness of each product at preventing breaches, the calculated savings resulting from this, the purchase costs of the product, and the product's accuracy costs are factored by Enterprise EPR CyberRisk Quadrant.

Products receive one of the following three certification levels: "Strategic Leaders", "CyberRisk Visionaries", and "Strong Challengers", or they are not certified. Only products with "Strategic Leader" gain an increment of TOP3 counters for their vendor.

2022年 TOP3メトリック詳細 (3)

このページ以降のテストは、2022年に実施されTOP3メトリックの算出に利用したものです。テスト実施機関とテストはアルファベット順です。

- LSASS Credential-Dumping Security Test

This test is performed and counted in the metrics one time a year. It evaluates how well business security products determine their hardening measures protected against attacks on Windows' Local Security Authority Subsystem Service (LSASS).

Products placing in the highest three positions based on the Protection Rate gain an increment of TOP3 counters for their vendor.

- Business Security Report

This report is published twice a year. Correspondingly, it is counted two times in the metrics. The report includes a review of various business security products and evaluates the protection efficiency in categories such as Protection Rate on different malware sets, websites, and exploits, and a False Positive level.

Products achieving, at least, 90 percent Protection Rate with no False Positives on common business software in the Malware Protection Test and, at least, 90 percent Protection Rate with less than 100 False Positives on any clean software/websites in the overall Real-World Protection Test, with no major performance issues, are certified by the test lab, and gain an increment of TOP3 counters for their vendor.

- Anti-Phishing Test

This test is performed and counted in the metrics once

a year and simulates a common situation: users rely on the anti-phishing protection provided by their security products while browsing the web. The test consists of two parts: Detection Rate and False Positives.

If all products achieve zero False Positives, the products achieving the highest three places based on Protection Rate, gain an increment of TOP3 counters for their vendor.

If any of participating products achieve any False Positives, only certified products gain an increment of TOP3 counters for their vendor.

- Mobile Security Review

This review is done and counted in the metrics once a year and includes a malware protection test along with an overview of additional features (theft protection, battery consumption, etc.).

If all products achieve zero False Positives, the products achieving the highest three places based on Protection Rate, gain an increment of TOP3 counters for their vendor.

If any of participating products achieve any False Positives, only certified products gain an increment of TOP3 counters for their vendor.

- Mac Security Test & Review

This review is done and counted in the metrics once a year and evaluates various Mac protection products

against a product feature list and measures protection levels in categories such as Detection Rate on separate Mac- & Windows-related malware sets and a False Positive level.

If all products achieve zero False Positives, the products achieving the highest three places based on Protection Rate, gain an increment of TOP3 counters for their vendor.

If any of participating products achieve any False Positives, only certified products gain an increment of TOP3 counters for their vendor.

- Parental Control Certification

This test is performed and counted in the metrics once a year and evaluates efficiency of security products to prevent children from visiting unwanted web sites.

Only products blocking at least 98% of pornographic websites with zero False Positives on child-friendly websites, and having no severe unresolved bugs (or design flaws) discovered during the review, are certified and gain an increment of TOP3 counters for their vendor.

2022年 TOP3メトリック詳細 (4)

このページ以降のテストは、2022年に実施されTOP3メトリックの算出に利用したものです。テスト実施機関とテストはアルファベット順です。

AV-TEST

- Best Protection Award: Consumer and Business
This annual award is given once a year for perfect results in the Protection category over the course of an entire year, during which bi-monthly certification takes place. Consumer and Business related products are assessed separately.
Only products that receive this award gain a TOP3 counter increment for their vendor.
- Best Usability Award: Consumer and Business
This annual award is given once a year for perfect results in the Usability category over the course of an entire year, during which bi-monthly certification takes place. Consumer and Business related products are assessed separately.
Only products that receive this award gain a TOP3 counter increment for their vendor.
- Best Android Security: Consumer
This annual award is given once a year for perfect results in the Android security testing over the course of a whole year. Consumer and Business related products are assessed separately.
Only products that receive this award gain a TOP3 counter increment for their vendor.
- Best Mac Security: Consumer and Business
This annual award is given once a year for perfect results in the Mac security testing over the course of a whole year. Consumer and Business related products are assessed separately.
Only products that receive this award gain a TOP3 counter increment for their vendor.
- Best Advanced Threat Protection: Consumer and Business
This annual award is given once a year for perfect results in the Advanced Threat Protection testing over the course of a whole year. Consumer and Business related products are assessed separately.
Only products that receive this award gain a TOP3 counter increment for their vendor.
- Bi-Monthly Certification: Consumer and Business
This year-long certification series consists of Consumer and Business segments, each divided into six separate, two-month-long tests, which results are published every even months, i.e. this test is counted 6 times in the metrics. Consumer and Business related products are assessed separately. All participating products are evaluated and receive points in Protection, Performance and Usability categories. The sum of the points gained in each category makes up the overall score; products in the top three have their TOP3 counters incremented.
- Advanced Threat Protection Test: Consumer and Business
This test is counted six times in the metrics ([November](#), [December](#), [February](#), [April](#), [June](#), [August](#)). Consumer and Business related products are assessed separately. It assesses detection and threat prevention capabilities of end-point solutions against APT attacks deploying ransomware without generating False Positives on normal operations. The executed attack chains are split into separate stages attributed to different TTPs from MITRE ATT&CK. The sum of the points gained in each stage makes up the overall score; products in the top three have their TOP3 counters incremented.
- Android Mobile Security Products Test: Consumer and Business
This year-long certification series evaluates various security protection products for Android and consists of Consumer and Business segments, each divided into six separate tests. Their results are published every odd months, i.e. this test is counted 6 times in the metrics. Consumer and Business related products are assessed separately. All participating products are evaluated and receive points in Protection, Performance and Usability categories. The sum of the points gained in each category makes up the overall score; products in the top three have their TOP3 counters incremented.

2022年 TOP3メトリック詳細 (5)

このページ以降のテストは、2022年に実施されTOP3メトリックの算出に利用したものです。テスト実施機関とテストはアルファベット順です。

- Mac Detection & Performance Test: [Consumer and Business](#)

This test evaluates various security protection products for Mac OS X and consists of Consumer and Business segments, which results are published and counted in the metrics four times a year. Consumer and Business related products are assessed separately. All participating products receive points in Protection, Performance and Usability categories. The sum of the points gained in each category makes up the overall score; products in the top three have their TOP3 counters incremented.

- [VPN Test](#)

The test is performed and counted in the metrics once a year. It assesses and compares VPN solutions by separate topics of usability, security, privacy, speed, and transparency.

Each product that passes the certification gains an increment of TOP3 counter for their vendor.

- [Parental Control Certification](#)

This vendor-commissioned test is performed and counted in the metrics once a year and evaluates protection efficiency of security products on Windows, Android and iOS platforms to protect children from visiting unwanted web sites.

Only certified products gain an increment of TOP3 counters for their vendor.

CyberRatings

- [Endpoint Protection Comparative Test](#)

This test is performed once a year and evaluates each participated product's ability to block malware as quick as possible. Products placing in the highest three positions based on the Average Block Rate (Over Time) gain an increment of TOP3 counters for their vendor.

ICSA Labs

- [Advanced Threat Defense Certification¹](#)

This assessment is performed every quarter, i.e. four times a year, and aims to evaluate the efficiency of security solutions to detect new and little-known threats while minimizing false positives. Each product that passes the certification gains an increment of TOP3 counter for their vendor.

MRG Effitas

- [360 Assessment & Certification](#)

This test is conducted and published four times a year and evaluates both the ability to block initial infection and time taken to detect and remediate malware on a compromised system. This test replaces the older "Time to Detect & Remediate Assessment" test and includes Online Banking part since second quarter of 2020 that assesses the efficiency of products against financial malware. Only certified products gain an increment of TOP3 counters for their vendor.

- [Android 360 Degree Assessment Programme](#)

This test is conducted and published four times a year and evaluates both the ability to block initial infection while copying it to the device, so called the Early Stage Detection, and while running it, the Installation Stage. The test also includes a false positive subtest.

Products placing in the highest three positions based on the combined of two stages Detection Rate gain an increment of TOP3 counters for their vendor.

2022年 TOP3メトリック詳細 (6)

このページ以降のテストは、2022年に実施されTOP3メトリックの算出に利用したものです。テスト実施機関とテストはアルファベット順です。

SE Labs (formerly known as Dennis Technology Labs)

- [Enterprise Endpoint Protection Test](#)
- [Small Business Endpoint Protection Test](#)
- [Home Anti-Malware Protection Test](#)

These quarterly-long tests are published and counted in the metrics four times a year. These tests aim to compare the effectiveness of anti-malware products provided by well-known security companies. Enterprise, Home, and Small Business products are evaluated separately. The products are exposed to live Internet threats during the test period. This exposure is carried out in a very realistic way, closely reflecting the customer experience. The results reflect how products perform under real-life, customer-use-case scenarios, i.e. what happens when a user visits an infected website. The tests include a detection subtest and a false positive one.

Three products with the highest Total Accuracy Rating scores (calculated as a combination of points of the two subtests) gain an increment of TOP3 counters for their vendor.

- [Enterprise Advanced Security \(EDR\) Test - Detection](#)
This test is published and counted in the metrics one time this year. It is also known as Breach Resonse Test and evaluates effectiveness of a tested product against a range of hacking attacks designed to compromise systems and penetrate target networks in the same way as criminals and other attackers breach systems and networks. The tests include a detection subtest and a false positive one.

Three products with the highest Total Accuracy Ratings scores (calculated as a combination of points of the two subtests) gain an increment of TOP3 counters for their vendor.

- [Email Security Services Protection Test](#)

This test is performed and counted in the metrics one time a year and assesses how effectively the email hosted protection services for the Office365 platform are at detecting and/or protecting against threats in real time, including phishing, BEC (business e-mail compromise), social engineering and real world spam. The test includes a detection subtest and a false positive one.

Three products with the highest Total Accuracy Rating scores (calculated as a combination of points of the two subtests) gain an increment of TOP3 counters for their vendor.

Testing Ground Labs

- [Android Malware Detection Test: Consumer and Business](#)
This test evaluates how effectively mobile products can protect users' Android-based devices from threats. It includes a detection subtest and a false positives one. Consumer and Business related products are assessed separately and are published four and two times this year, correspondingly. Starting from June 2022, each test of the testing lab is compliant with the AMTSO Testing Protocol Standard and confirmed by AMTSO.
Three products with the highest Total Scores

(calculated as a combination of the two subtests results) gain an increment of TOP3 counters for their vendor.

VirusBulletin

- [VB100 Certification](#)

These tests are held every month to evaluate different types of products (before that, these tests were held every even months); the reports are published twelve times this year.

Each product that passes the certification gains an increment of TOP3 counter for their vendor.

2022年 TOP3メトリック対象全ベンダー

- 1E
- Acronis
- AhnLab
- Anonimous
- Antiy Labs
- ArcaBit
- Avast
- AVG
- Avira
- Bitdefender
- BlackBerry (Cylance)
- Broadcom (Symantec)
- BullGuard
- Check Point
- CHOMAR
- Cisco
- ClamXav
- Clario
- CMC Cyber Security
- Combo
- Comodo
- CrowdStrike
- Cybereason
- Cynet
- CyRadar
- Data443
- Deep Instinct
- Defenx
- Dr.Web
- Elastic
- EmsiSoft
- ESET
- ESTsecurity
- Exosphere
- Faronics
- Fortinet
- F-Secure
- G DATA
- Google
- GoSecure
- Hammock
- Ikarus
- Intego
- IronNet
- Juniper
- K7
- Kaspersky
- Lavasoft
- LINE
- Malwarebytes
- Microsoft
- Microworld
- NortonLifeLock
- NSHC
- Palo Alto
- Panda
- PC Pitstop
- PCProtect
- Perception-Point
- Private Internet Access Inc.
- Qi-ANXIN
- Quick Heal
- RevBits
- Rising
- Sangfor
- Scanguard
- Securion
- SentinelOne
- Seqrite
- Sequaretec
- Shield Antivirus
- SonicWall
- Sophos
- Surfshark
- Tabidus
- Tencent
- TGSoft
- ThreatBook
- Total Defense
- TotalAV
- Trellix (McAfee)
- Trend Micro
- Tweaking Technologies
- Vendor A (AVC-EPR)
- Vendor B (AVC-EPR)
- Vendor C (AVC-EPR)
- Vendor D (AVC-EPR)
- Vendor E (AVC-EPR)
- Vendor A (AVC-PC)
- Vendor B (AVC-PC)
- Vendor C (AVC-PC)
- Vendor D (AVC-PC)
- Viettel Security
- VIPRE
- VMware (Carbon Black)
- Webroot
- WithSecure
- Zemana
- Zoner

(合計 99社)