Hepatitis B surface antigen ELISA Kit

Catalog # KA0286 Size 1 Kit

Specification

Product Description	Hepatitis B surface antigen ELISA Kit is a sandwich enzyme immunoassay for the measurement of h epatitis B surface antigen.
Suitable Sample	Plasma, Serum
Sample Volume	50 uL
Label	HRP-conjugate
Detection Method	Colorimetric
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Publication Reference

- AAV-mediated delivery of CRISPR/Cas9 targeting conserved overlapping ORFs efficiently suppresses HBV replication in hepatocyte models.

  Pattida Kongsomboonchoke, Yongyut Pewkliang, Piyanoot Thongsri, Alisa Tubsuwan, Kanit Bhukhai, Nithi Asavapanumas, Phetcharat Phanthong, Suparerk Borwornpinyo, Wararat Chiangjong, Khanit Sa-ngiamsuntorn, Suradej Hongeng

  Biotechnol Rep (Amst) 2026 9; 510:e00961.

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- Panduratin A from Boesenbergia rotunda suppresses hepatitis B virus by targeting HNF1α and synergizing with antiviral agents.

  Piyanoot Thongsri, Yongyut Pewkliang, Suparerk Borwornpinyo, Adisak Wongkajornsilp, Pakatip Ruenraroengsak, Usanarat Anurathapan, Abhasnee Sobhonslidsuk, Suradej Hongeng, Khanit Sa-Ngiamsuntorn.

  Chinese Medicine 2026 Jan; 21(1):10.

  Application: ELISA, Quant, Human, In conditioned medium

- A therapeutic HBV vaccine containing a checkpoint modifier enhances CD8+ T cell and antiviral responses.

  Mohadeseh Hasanpourghadi, Mikhail Novikov, Robert Ambrose, Arezki Chekaoui, Dakota Newman, Zhiquan Xiang, Andrew D Luber, Sue L Currie, Xiangyang Zhou, Hildegund Cj Ertl

  JCI Insight 2024 Nov; 9(21).

- Combination of saikosaponin c and telbivudine synergistically enhances the anti-HBV activity.

  Xiaohe Li, Zhiyi Ke, Dongli Lian, Jing Yuan, Yanchao Pan.

  Inflammation Research 2020 Jun; 69(6):545.

  Application: Quant, Human, HepG2.2.15 cells

- Bile Acid Changes Associated With Liver Fibrosis and Steatosis in the Mexican-American Population of South Texas.

  Kwan SY, Jiao J, Qi J, Wang Y, Wei P, McCormick JB, Fisher-Hoch SP, Beretta L.

  Hepatology Communications 2020 Mar; 4(4):555.

  Application: Qual, Human, Plasma

- An Immortalized Hepatocyte-like Cell Line (imHC) Accommodated Complete Viral Lifecycle, Viral Persistence Form, cccDNA and Eventual Spreading of a Clinically-Isolated HBV.

  Sa-Ngiamsuntorn K, Thongsri P, Pewkliang Y, Wongkajornsilp A, Kongsomboonchoke P, Suthivanich P, Borwornpinyo S, Hongeng S.

  Viruses 2019 Oct; 11(10):E952.

  Application: Quant, Human, Immortalized hepatocyte-like cell line (imHC)

- Saikosaponin C exerts anti-HBV effects by attenuating HNF1α and HNF4α expression to suppress HBV pgRNA synthesis.

  Pan Y, Ke Z, Ye H, Sun L, Ding X, Shen Y, Zhang R, Yuan J.

  Inflammation Research 2019 Dec; 68(12):1025.

  Application: ELISA, Human, Culture medium of HepG2.2.15 cells

- Ciclopirox inhibits Hepatitis B Virus secretion by blocking capsid assembly.

  Kang JA, Kim S, Park M, Park HJ, Kim JH, Park S, Hwang JR, Kim YC, Jun Kim Y, Cho Y, Sun Jin M, Park SG.

  Nature Communications 2019 May; 10(1):2184.

  Application: Quant, Mouse, Mouse serum

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- Anti-HBV effect of interferon-thymosin α1 recombinant proteins in transgenic Dunaliella salina in vitro and in vivo.

  Zhang Z, He P, Zhou Y, Xie X, Feng S, Sun C.

  Experimental and Therapeutic Medicine 2018 Aug; 16(2):517.

  Application: Quant, Human, HepG2.2.15 cells

- Pre-S2 Start Codon Mutation of Hepatitis B Virus Subgenotype B3 Effects on NF-κB Expression and Activation in Huh7 Cell Lines.

  Siburian MD, Suriapranata IM, Wanandi SI.

  Viral Immunology 2018 Jun; 31(5):362.

  Application: ELISA , Human, Protein extracted from Huh7 cells

- Maternal zinc supplementation improves hepatitis B antibody responses in infants but decreases plasma zinc level.

  Ahmad SM, Hossain MB, Monirujjaman M, Islam S, Huda MN, Kabir Y, Raqib R, Lönnerdal BL.

  European Journal of Nutrition 2016 Aug; 55(5):1823.

  Application: ELISA, Human, Plasma

- Serum hepatitis B surface antigen correlates with tissue covalently closed circular DNA in patients with hepatitis B-associated hepatocellular carcinoma.

  Wang Q, Luan W, Warren L, Fiel MI, Blank S, Kadri H, Tuvin D, Hiotis SP.

  Journal of Medical Virology 2017 Feb; 88(2):244.

  Application: ELISA, Human, Plasma, Serum

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