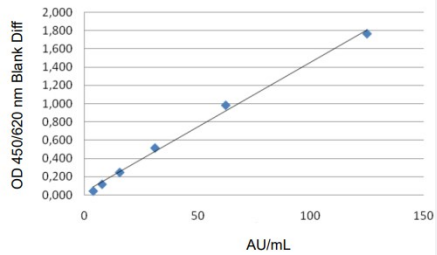
CFH (Human) IgG ELISA Kit

Catalog # KA1477 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	Anti-CFH IgG (Human) ELISA Kit is a solid phase enzyme immunoassay for the quantitative measurement of IgG class autoantibodies against complement factor H.
Suitable Sample	Plasma, Serum
Sample Volume	100 uL
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	3.9 to 250 AU/mL
Limit of Detection	0.6 AU/mL
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C on dry atmosphere away from light.

Applications

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- Quantification

Publication Reference

- Comprehensive analysis of complement activation in a hydroxyurea-treated sickle cell disease patient cohort.

  Daniel Diatlov, Arlette Bohorquez, Melanie Ann Kirby-Allen, Christoph Licht.

  Blood Advances 2025 Nov; 0:0.

  Application: ELISA, Quant, Human, Serum

- Atypical hemolytic uremic syndrome treated with anti-C5 antibody agent eculizumab, without genetic complement abnormalities.

  Yuka Sato, Noritoshi Kato, Marina Asano, Hideaki Shimizu, Yoshitaka Tatematsu, Yuko Shimamura, Asuka Horinouchi, Kayaho Maeda, Sawako Kato, Tomoki Kosugi, Shoichi Maruyama.

  Nagoya Journal of Medical Science 2025 Aug; 87(3):573.

  Application: ELISA, Quant, Human, Plasma

- Adolescence-onset atypical hemolytic uremic syndrome: is it different from infant-onset?

  Kubra Celegen, Bora Gulhan, Kibriya Fida, Selcuk Yukse, Neslihan Yilmaz, Aysun Caltik Yılmaz, Beltinge Demircioğlu Kılıç, Ibrahim Gokce, Aslı Kavaz Tufan, Mukaddes Kalyoncu, Hulya Nalcacıoglu, Sare Gulfem Ozlu, Eda Didem Kurt Sukur, Nur Canpolat, Aysun K Bayazit, Elif Çomak, Yılmaz Tabel, Sebahat Tulpar, Mehtap Celakil, Kenan Bek, Cengiz Zeybek, Ali Duzova, Zeynep Birsin Özçakar, Rezan Topaloglu, Oguz Soylemezoglu, Fatih Ozaltin

  Clin Exp Nephrol 2024 10; 28(10):1027-1037.

- Factor H-related protein 1 in systemic lupus erythematosus

  Jessica S Kleer., Juliane Klehr., Denise Dubler., Laura Infanti., Carlo Chizzolini., Uyen Huynh-Do., Camillo Ribi., Marten Trendelenburg.

  Frontiers in Immunology 2024 Jul; 15:1447991.

  Application: Anti-FH IgG ELISA, Human, Plasma

- Anti-C5 monoclonal antibody treatment showing pathological resolution of complement-mediated atypical hemolytic uremic syndrome: a case report.

  Shigekazu Kurihara, Akinori Yamaguchi, Kosuke Sonoda, Yosuke Yamada, Makoto Harada, Koji Hashimoto, Hisashi Shimojo, Yoichiro Ikeda, Yuji Kamijo.

  BMC nephrology 2024 Jul; 25(1):224.

  Application: Quant, Human, Serum

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- Mismatches in Gene Deletions and Kidney-related Proteins as Candidates for Histocompatibility Factors in Kidney Transplantation.

  Salla Markkinen, Ilkka Helantera, Jouni Lauronen, Marko Lempinen, Jukka Partanen, Kati Hyvarinen

  Kidney Int Rep 2022 11; 7(11):2484-2494.

- Renal Biopsy Prognostic Findings in Children With Atypical Hemolytic Uremic Syndrome.

  Selçuk Yüksel, İpek Işık Gönül, Nur Canpolat, İbrahim Gökçe, Sare Gülfem Özlü, Zeynep Birsin Özçakar, Fatih Ozaltin, Oğuz Söylemezoğlu.

  Pediatric and Developmental Pathology 2020 Sep; 23(5):362.

  Application: Qual, Human, Human serum

- The role of anti-complement factor H antibodies in the development of atypical haemolytic uremic syndrome: a possible contribution to abnormality of platelet function.

  Fujisawa M, Yasumoto A, Kato H, Sugawara Y, Yoshida Y, Yatomi Y, Nangaku M.

  British Journal of Haematology 2020 Apr; 189(1):182.

  Application: Quant, Human, Human plasma

- Atypical reduction of plasma ADAMTS13 activity by a non-IgG-type inhibitor in a patient with hemolytic uremic syndrome caused by Shiga toxin-producing Escherichia coli.

  Nakayama S, Hirashio S, Yorishima H, Doi T, Yoshida Y, Matsumoto M, Masaki T.

  CEN Case Reports 2019 Jun; [Epub].

  Application: Quant, Human, Human plasma

- Whole-exome sequencing detects mutations in pediatric patients with atypical hemolytic uremic syndrome in Taiwan.

  Tseng MH, Tsai JD, Tsai IJ, Huang SM, Huang JL, Fan WL, Lee HJ, Wu TW, Lin SH.

  Clinica Chimica Acta 2019 Mar; 494:143.

  Application: Quant, Human , Human serum

- Extra-Renal manifestations of atypical hemolytic uremic syndrome in children.

  Fidan K, Göknar N, Gülhan B, Melek E, Yıldırım ZY, Baskın E, Hayran M, Gülleroglu K, Özçakar ZB, Ozaltin F, Soylemezoglu O.

  Pediatric Nephrology 2018 Apr; [Epub].

  Application: ELISA, Human, Plasma

- Clinical characteristics and genetic backgrounds of Japanese patients with atypical hemolytic uremic syndrome.

  Fujisawa M, Kato H, Yoshida Y, Usui T, Takata M, Fujimoto M, Wada H, Uchida Y, Kokame K, Matsumoto M, Fujimura Y, Miyata T, Nangaku M.

  Clinical and Experimental Nephrology 2018 Mar; [Epub].

  Application: ELISA, Human, Plasma, serum

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- Serum complement factor I is associated with disease activity of systemic lupus erythematosus.

  Tseng MH, Lin SH, Wu CY, Chien HP, Yang HY, Chen YC, Chou YC, Huang JL.

  Oncotarget 2018 Jan; 9(9):8502.

  Application: Quant, Human, Human serum

- Turkish pediatric atypical hemolytic uremic syndrome registry: initial analysis of 146 patients.

  Besbas N, Gulhan B, Soylemezoglu O, Ozcakar ZB, Korkmaz E, Hayran M, Ozaltin F.

  BMC Nephrology 2017 Jan; 18(1):6.

  Application: Quant, Human, Patients with Atypical hemolytic uremic syndrome

- First-Line, Early and Long-Term Eculizumab Therapy in Atypical Hemolytic Uremic Syndrome: A Case Series in Pediatric Patients.

  Yüksel S, Evrengül H, Özçakar ZB, Becerir T, Yalçın N, Korkmaz E, Ozaltin F.

  Paediatric Drugs 2016 Dec; 18(6):413.

  Application: Quant, Human , Serum from Patients who have pediatric hemolytic uremic syndrome and acquire Eculizumab Therapy

- Complement factor H and susceptibility to major depressive disorder in Han Chinese.

  Zhang C, Zhang DF, Wu ZG, Peng DH, Chen J, Ni J, Tang W, Xu L, Yao YG, Fang YR.

  The British Journal of Psychiatry 2016 May; 208(5):446.

  Application: ELISA, Human, Plasma

- A novel quantitative hemolytic assay coupled with restriction fragment length polymorphisms analysis enabled early diagnosis of atypical hemolytic uremic syndrome and identified unique predisposing mutations in Japan.

  Yoko Yoshida, Toshiyuki Miyata, Masanori Matsumoto, Hiroko Shirotani-Ikejima, Yumiko Uchida, Yoshifumi Ohyama, Tetsuro Kokubo, Yoshihiro Fujimura

  PLoS One 2015 May; 10(5):e0124655.

- Atypical hemolytic uremic syndrome: a Korean pediatric series.

  Lee JM, Park YS, Lee JH, Park SJ, Shin JI, Park YH, Yoo KH, Cho MH, Kim SY, Kim SH, Namgoong MK, Lee SJ, Lee JH, Cho HY, Han KH, Kang HG, Ha IS, Bae JS, Kim NK, Park WY, Cheong HI.

  Pediatrics International 2015 Jun; 57(3):431.

  Application: ELISA, Human, Plasma

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