dsDNA IgG ELISA Kit

Catalog # KA1100 Size 1 Kit

Specification

Product Description	ds-DNA Ab IgG ELISA Kit is an indirect solid phase ELISA for the quantitative measurement of IgG c lass autoantibodies against double-stranded DNA in human serum or plasma.
Suitable Sample	Plasma, Serum
Sample Volume	100 uL (prediluted samples)
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Intra-Assay	3.1-6.4%
Inter-Assay	5.2-12.4%
Calibration Range	0 to 200 IU/mL
Limit of Detection	1.0 IU/mL
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C in the dark.

Applications

- Quantification

Publication Reference

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- Lactate controls glomerular endothelial barrier integrity in lupus nephritis.

  Jiaxin Lei, Xingyu Zhai, Yixin Wang, Ying Li, Lei Li, Mengdi Liu, Jing Guo, Lingyi Li, Zhezhuyun Chen, Qinghua Cao, Zhichun Liu, Ting Liu, Lin Xu, Zhenke Wen.

  Journal of Clinical Investigation Insight 2026 Aug; 0:e205034.

  Application: ELISA, Quant, Mice, Plasma

- Elevated ferritin as a companion biomarker of myeloid-driven inflammation in RNP/Sm co-positive, treatment-resistant SLE endotype.

  Muhammad Ra Shipa, Claire Beesley, Daniel McClusky, Vincent Guichard, Sharon A Chung, Laura A Cooney, Derek Gilroy, Michael R Ehrenstein.

  bioRxiv : the Preprint Server for Biology 2026 Feb; 0.

  Application: ELISA, Quant, Human, Serum

- ENPP1 governs the metabolic regulation of effector T cells in autoimmunity by detecting cytosolic mitochondrial DNA.

  Huiyan Ji, Wanwan Jiang, Juan Zhang, Mengdi Liu, Danhua Su, Jiaxin Lei, Lingyi Li, Ming Zheng, Ting Liu, Zhichun Liu, Qinghua Cao, Lin Xu, Sidong Xiong, Zhenke Wen.

  Cell Reports 2025 Jun; 44(6):115851.

  Application: ELISA, Quant, Human, Serum

- Allogeneic cord blood regulatory T cells decrease dsDNA antibody and improve albuminuria in systemic lupus erythematosus.

  Mi-Ae Lyu, Ximing Tang, Joseph D Khoury, Maria Gabriela Raso, Meixian Huang, Ke Zeng, Mitsutaka Nishimoto, Hongbing Ma, Tara Sadeghi, Christopher R Flowers, Simrit Parmar.

  Frontiers in Immunology 2023 Sep; 14:1217121.

  Application: Quant, Mouse, Plasma

- Identification of biomarkers to stratify response to B-cell-targeted therapies in systemic lupus erythematosus: an exploratory analysis of a randomised controlled trial.

  Muhammad Shipa, Liliana R Santos, Dao X Nguyen, Andrew Embleton-Thirsk, Mariea Parvaz, Lauren L, Heptinstall, Ruth J Pepper, David A Isenberg, Caroline Gordon, Michael R Ehrenstein.

  The Lancet Rheumatology 2022 Nov; 5(1):e24.

  Application: ELISA, Human, Human serum

- IgA autoantibodies directed against self DNA are elevated in cystic fibrosis and associated with more severe lung dysfunction.

  Ruchi Yadav, Rachel W Linnemann, Joanne Michelle Kahlenberg, Louis S Bridges Jr, Arlene A Stecenko, Balázs Rada.

  Autoimmunity 2020 Dec; 53(8):476.

  Application: Quant, Human, Human serum, Human sputum supernatant samples

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