

Product Datasheet

Human HMGB1/HMG-1 ELISA Kit (Colorimetric) NBP2-62766

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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Publications: 34

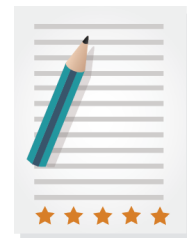
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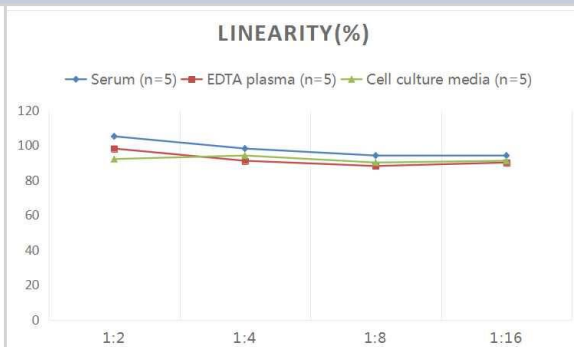


NBP2-62766**Human HMGB1/HMG-1 ELISA Kit (Colorimetric)**

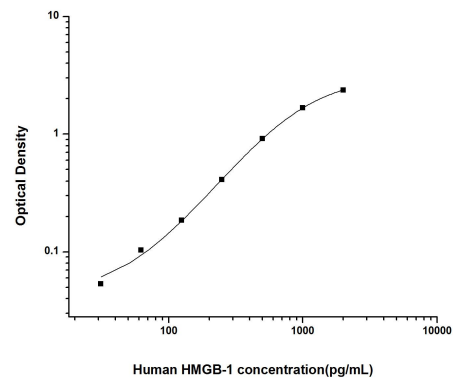
Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.
Product Description	
Gene ID	3146
Gene Symbol	HMGB1
Species	Human
Specificity/Sensitivity	This kit recognizes Human HMGB-1 in samples. No significant cross-reactivity or interference between Human HMGB-1 and analogues was observed.
Kit Components	Micro ELISA Plate (Dismountable), Reference Standard, Concentrated Biotinylated Detection Ab (100x), Concentrated HRP Conjugate (100x), Sample Diluent, Biotinylated Detection Ab Diluent, HRP Conjugate Diluent, Concentrated Wash Buffer (25x), Substrate Reagent, Stop Solution, Plate Sealer, Product Manual
Standard Curve Range	31.25 - 2000 pg/mL
Sensitivity	18.75 pg/mL
Inter Assay	%CV < 4.52
Intra Assay	%CV < 5.09
Assay Type	Sandwich-ELISA
Spiking Recovery	93 - 108%
Suitable Sample Type	Serum, plasma and other biological fluids
Sample Volume	100 uL
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

Images

ELISA: Human HMGB1/HMG-1 ELISA Kit (Colorimetric) [NBP2-62766] - Samples were spiked with high concentrations of Human HMGB1/HMG-1 and diluted with Reference Standard & Sample Diluent to produce samples with values within the range of the assay.



ELISA: Human HMGB1/HMG-1 ELISA Kit (Colorimetric) [NBP2-62766] - Standard Curve Reference



Publications

Fernando Rodríguez de Fonseca, Francisco Medina-Paz, Mira Sapozhnikov, Isaac Hurtado-Guerrero, Leticia Rubio, Stella Martín-de-las-Heras, Nerea Requena-Ocaña, María Flores-López, María del Mar Fernández-Arjona, Patricia Rivera, Antonia Serrano, Pedro Serrano, Sara C. Zapico, Juan Suárez, Youssef Sari Plasma Concentrations of High Mobility Group Box 1 Proteins and Soluble Receptors for Advanced Glycation End-Products Are Relevant Biomarkers of Cognitive Impairment in Alcohol Use Disorder: A Pilot Study *Toxics* 2024-02-29 [PMID: 38535924]

Yao Tong, Yinga Wu, Jing Ma, Masataka Ikeda, Tomomi Ide, Courtney T. Griffin, Xi-Qin Ding, Shusheng Wang Comparative mechanistic study of RPE cell death induced by different oxidative stresses *Redox Biology* 2023-08-06 [PMID: 37566944]

Norina Tang, Tatsuo Kido, Jian Shi, Erin McCafferty, Judith M. Ford, Kaitlyn Dal Bon, Lynn Pulliam, Thomas Ichim Blood Markers Show Neural Consequences of LongCOVID-19 Cells 2024-03-08 [PMID: 38534322]

Thais F.C. Fraga-Silva, Ualter G. Cipriano, Marcilio J. Fumagalli, Giseli F. Correa, Carlos A. Fuzo, Douglas dos-Santos, Fabiola L.A.C. Mestriner, Christiane Becari, Andrea Teixeira-Carvalho, Jordana Coelho-dos-Reis, Mayra G. Meneguetti, Luiz T.M. Figueiredo, Larissa Dias Cunha, Olindo A. Martins-Filho, Marcelo Dias-Baruffi, Maria Auxiliadora-Martins, Rita C. Tostes, Vania L.D. Bonato Airway epithelial cells and macrophages trigger IL-6-CD95/CD95L axis and mediate initial immunopathology of COVID-19 *iScience* 2023-10-31 [PMID: 38047070]

Rubas, NC;Peres, R;Kunihiro, BP;Allan, NP;Phankitnirundorn, K;Wells, RK;McCracken, TA;Lee, RH;Umeda, L;Conching, A;Juarez, R;Maunakea, AK; HMGB1 mediates microbiome-immune axis dysregulation underlying reduced neutralization capacity in obesity-related post-acute sequelae of SARS-CoV-2 *Scientific reports* 2024-01-03 [PMID: 38172612]

Li W Mediators of inflammation in the development of non-alcoholic steatohepatitis and fibrosis Thesis 2023-01-01 (ELISA)

Khan Z Remote Ischemic Conditioning as an Adjunct Intervention in Traumatic Brain Injury Thesis 2023-01-01 (ELISA)

Chang N, DaPrano E, Evans W et al. Neuronal DAMPs exacerbate neurodegeneration via astrocytic RIPK3 signaling *bioRxiv* 2023-07-24 [PMID: 37546744] (ELISA)

Malty R, Hilbe R, Ahn S et al. Paridiprubart inhibits TLR4-dependant NF- κ B activation by multiple pathogens *bioRxiv* 2023-06-28 (ELISA)

Palacios Y, Ramón-Luing LA, Ruiz A et al. COVID-19 patients with high TNF/IFN- γ levels show hallmarks of PANoptosis, an inflammatory cell death *Microbes and infection* 2023-06-30 [PMID: 37394112] (S-ELISA)

Details:
Plasma Samples

Ghosh P, Sasaki K, Pulido Ruiz IA et al. Inflammatory macrophage to hepatocyte signals can be prevented by extracellular vesicle reprogramming *Journal of cell science* 2023-04-13 [PMID: 37051862] (ELISA, Human)

Hall DA, Voigt RM, Cantu-Jungles TM et al. An open label, non-randomized study assessing a prebiotic fiber intervention in a small cohort of Parkinson's disease participants *Nature communications* 2023-02-18 [PMID: 36801916] (ELISA)

More publications at <http://www.novusbio.com/NBP2-62766>



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Products Related to NBP2-62766

NBP2-34960-10ug	Recombinant Human HMGB1/HMG-1 His (C-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
NB100-2322	HMGB1/HMG-1 Antibody
M6000B-1	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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