

Human High mobility group protein B3 ELISA Kit | HMGB3 elisa kit

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CATALOG #
AAA99486

REACTIVITY
Human

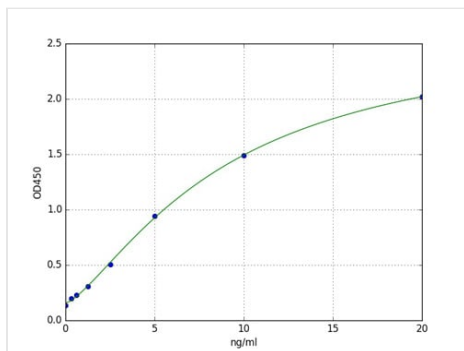
PRODUCT SYNONYMS

High mobility group protein B3; Human High mobility group protein B3 ELISA Kit; HMGB3 (High mobility group protein B3)/HMG2A/HMG4/High mobility group protein 2a/High mobility group protein 4/high-mobility group (nonhistone chromosomal) protein 4/high-mobility group box 3/HMG-2a/HMG-4/non-histone chromosomal protein; HMGB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	200
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a HMGB3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.007	0.121	0.232	0.369	0.689	1.001	1.398	2.048

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HMGB3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-HMGB3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-HMGB3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the HMGB3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of HMGB3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	669033282
NCBI GeneID	3149
NCBI Accession #	NP_001288158.1
NCBI GenBank Nucleotide #	NM_001301229.1
Molecular Weight	22,980 Da
NCBI Official Full Name	high mobility group protein B3 isoform a
NCBI Official Synonym Full Names	high mobility group box 3
NCBI Official Symbol	HMGB3
NCBI Official Synonym Symbols	HMG4; HMG-4; HMG2A; HMG-2a
NCBI Protein Information	high mobility group protein B3
UniProt Protein Name	High mobility group protein B3
UniProt Gene Name	HMGB3
UniProt Synonym Gene Names	HMG2A; HMG4; HMG-2a; HMG-4
UniProt Entry Name	HMGB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hmgb3-human-elisa-kits/high-mobility-group-protein-b3/99486>