

Human High Mobility Group Box Protein 3 (HMGB3) ELISA Kit | HMGB3 elisa kit

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CATALOG #
AAA148634

REACTIVITY
Human

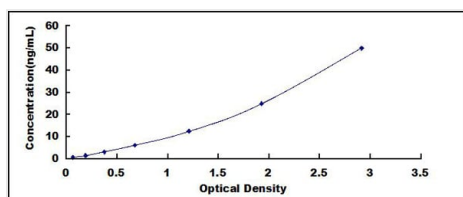
PRODUCT SYNONYMS

High Mobility Group Box Protein 3 (HMGB3); Human High Mobility Group Box Protein 3 (HMGB3) ELISA Kit; HMG2A; HMG4; High mobility group protein 4; HMGB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Mobility Group Box Protein 3 (HMGB3). No significant cross-reactivity or interference between High Mobility Group Box Protein 3 (HMGB3) and analogues was observed.
Sequence Length	200
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.30ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level High Mobility Group Box Protein 3 (HMGB3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level High Mobility Group Box Protein 3 (HMGB3) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HMGB3 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to High Mobility Group Box Protein 3 (HMGB3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Mobility Group Box Protein 3 (HMGB3). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain High Mobility Group Box Protein 3 (HMGB3), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of High Mobility Group Box Protein 3 (HMGB3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for HMGB3 elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	669033279
NCBI GeneID	3149
NCBI Accession #	NP_001288157.1
NCBI GenBank Nucleotide #	NM_001301228.1
UniProt Accession #	O15347; O95556; Q6NS40
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

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/human-elisa-kits/high-mobility-group-box-protein-3-hmgb3/148634>