

Human High Mobility Group Protein 1 (HMG1) ELISA Kit | HMG1 elisa kit

Instant Human High Mobility Group Protein 1 (HMG1) ELISA Kit

CATALOG #
AAA148477

REACTIVITY
Human

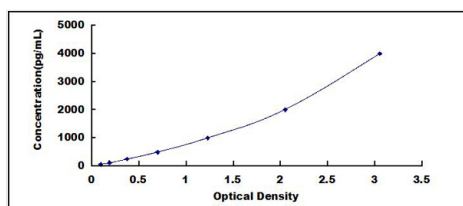
PRODUCT SYNONYMS

High Mobility Group Protein 1 (HMG1); Instant Human High Mobility Group Protein 1 (HMG1) ELISA Kit; HMGB1; HMG3; SBP1; Sulfoglucuronyl Carbohydrate Binding Protein; Amphoterin; High Mobility Group Box 1 Protein; HMG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Instant High Mobility Group Protein 1 (HMG1). No significant cross-reactivity or interference between Instant High Mobility Group Protein 1 (HMG1) and analogues was observed.
Sequence Length	215
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	22.5pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Instant High Mobility Group Protein 1 (HMG1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Instant High Mobility Group Protein 1 (HMG1) 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 HMG1 elisa kit	The test principle applied in this kit is enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Instant High Mobility Group Protein 1 (HMG1). Standards or samples and HRP-labeled detection antibody specific to Instant High Mobility Group Protein 1 (HMG1) (Detection Reagent A) are then added to the appropriate microtiter plate wells. Next, TMB substrate solution is added, only those wells that contain Instant High Mobility Group Protein 1 (HMG1), and HRP-labeled detection antibody 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 Instant High Mobility Group Protein 1 (HMG1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for HMG1 elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	926459555
NCBI GeneID	3146
NCBI Accession #	NP_001300821.1
NCBI GenBank Nucleotide #	NM_001313892.1
UniProt Accession #	P09429; Q14321; Q5T7C3; Q6IBE1; A5D8W9
Molecular Weight	24,894 Da
NCBI Official Full Name	high mobility group protein B1
NCBI Official Synonym Full Names	high mobility group box 1
NCBI Official Symbol	HMGB1
NCBI Official Synonym Symbols	HMG1; HMG3; HMG-1; SBP-1
NCBI Protein Information	high mobility group protein B1
UniProt Protein Name	High mobility group protein B1
UniProt Gene Name	HMGB1
UniProt Synonym Gene Names	HMG1; HMG-1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/high-mobility-group-protein-1-hmg1/148477>