

Human High Mobility Group Protein 1 (HMGB1) CLIA Kit | HMGB1 clia kit

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CATALOG # AAA188911	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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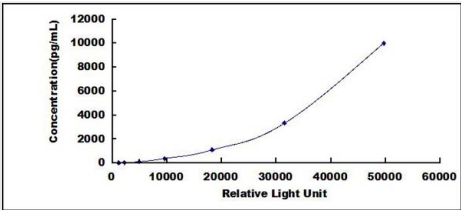
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Mobility Group Protein 1 (HMGB1). No significant cross-reactivity or interference between High Mobility Group Protein 1 (HMGB1) and analogues was observed.
Sequence Length	215
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	13.7-10000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 5.1pg/mL
Applicable Applications for HMGB1 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Mobility Group Protein 1 (HMGB1) 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 Protein 1 (HMGB1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to High Mobility Group Protein 1 (HMGB1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to High Mobility Group Protein 1 (HMGB1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the High Mobility Group Protein 1 (HMGB1) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504425
NCBI GeneID	3146
NCBI Accession #	NP_002119.1
NCBI GenBank Nucleotide #	NP_002119.1
UniProt Accession #	P09429
NCBI Official Full Name	high mobility group protein B1 isoform 1
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
UniProt Entry Name	HMGB1_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/human-clia-kits/high-mobility-group-protein-1-hmgb1/188911>