

Rat high-mobility group box 1 ELISA Kit | HMGB1 elisa kit

Rat High mobility group protein B1, HMGB-1 ELISA Kit

CATALOG #
AAA15465

REACTIVITY
Rat

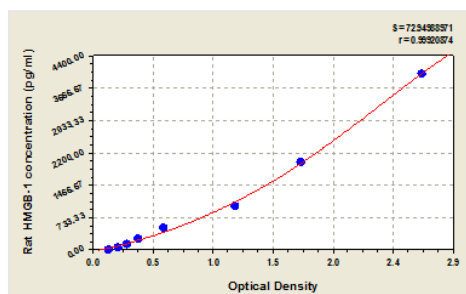
PRODUCT SYNONYMS

high-mobility group box 1; Rat High mobility group protein B1; HMGB-1 ELISA Kit; DKFZp686A04236; HMG1; HMG3; SBP-1; Amphoterin; OTTHUMP00000018196; OTTHUMP00000190860; OTTHUMP00000200117; Sulfoglucuronyl carbohydrate binding protein; high mobility group box 1; high mobility group prot; HMGB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat HMGB-1. No significant cross-reactivity or interference between rat HMGB-1 and analogues was observed.
Sequence Length	215
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	1.56 ng/ml-100 ng/ml
Sensitivity	< 0.39 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HMGB1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for HMGB-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HMGB-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HMGB-1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HMGB-1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981026
NCBI GeneID	25459
NCBI Accession #	NP_037095.1
NCBI GenBank Nucleotide #	NM_012963.2
UniProt Accession #	P63159; P07155; P27109; P27428; Q548R9
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; Ac2-008
NCBI Protein Information	high mobility group protein B1; HMG-1; amphoterin; high mobility group 1; heparin-binding protein p30; high mobility group protein 1
UniProt Protein Name	High mobility group protein B1
UniProt Gene Name	Hmgb1
UniProt Synonym Gene Names	Hmg-1; Hmg1; HMG-1
UniProt Entry Name	HMGB1_RAT

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/hmgb1-rat-elisa-kits/high-mobility-group-box-1/15465>