

Rat HMGB-1 ELISA Kit | HMGB-1 elisa kit

Rat HMGB-1 (High Mobility Group Protein B1) ELISA Kit

CATALOG #
AAA21422

REACTIVITY
Rat

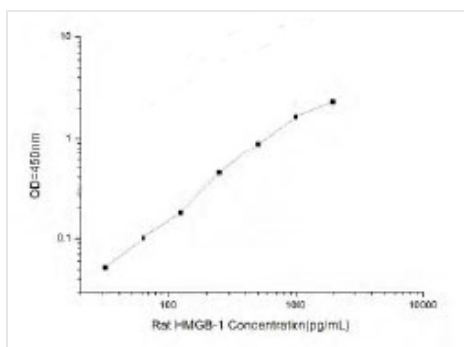
PRODUCT SYNONYMS

HMGB-1; Rat HMGB-1 (High Mobility Group Protein B1) ELISA Kit; HMGB-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat HMGB-1 in samples. No significant cross-reactivity or interference between Rat HMGB-1 and analogues was observed.
Sequence Length	215
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	18.75pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat HMGB-1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat HMGB-1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HMGB-1 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat HMGB-1 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat HMGB-1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat HMGB-1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat HMGB-1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat HMGB-1. You can calculate the concentration of Rat HMGB-1 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41386729
NCBI GeneID	282691
NCBI Accession #	NP_788785.1
NCBI GenBank Nucleotide #	NM_176612.1
UniProt Accession #	P10103; Q3ZC39; A5D9G8
Molecular Weight	24,908 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 Protein Information	high mobility group protein B1; HMG-1; high mobility group protein 1; high-mobility group box 1
UniProt Protein Name	High mobility group protein B1
UniProt Gene Name	HMGB1
UniProt Synonym Gene Names	HMG1; HMG-1
UniProt Entry Name	HMGB1_BOVIN

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/rat-elisa-kits/hmgb-1/21422>