

Rat High mobility group protein B1 (HMGB1) ELISA Kit | HMGB1 elisa kit

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CATALOG #
AAA56012

REACTIVITY
Rat

PRODUCT SYNONYMS

High mobility group protein B1 (HMGB1); Rat High mobility group protein B1 (HMGB1) 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 HMGB1. No significant cross-reactivity or interference between Rat HMGB1 and analogues was observed.
Sequence Length	215
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	6.25 pg/mL - 400 pg/mL
Sensitivity	3.1 pg/mL (mean of 6 independent assays)
Detection Wavelength	450 nm
Intra-assay Precision (Precision within an assay)	Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision (Precision between assays)	Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
CV (%)	= SD/meanX100
Intra-Assay	CV
Inter-Assay	CV
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for HMGB1 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate HMGB1 in Rat serum, plasma. An antibody specific for HMGB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HMGB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotinconjugated antibody specific for HMGB1 is added to the wells. After washing, Streptavidin 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 HMGB1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Rat High mobility group protein B1 (HMGB1) concentration in serum, plasma and other biological fluids.

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
UniProt Protein Name	High mobility group protein B1
UniProt Gene Name	Hmgb1
UniProt Synonym Gene Names	Hmg-1; 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://www.aaabiotech.com/rat-elisa-kits/high-mobility-group-protein-b1-hmgb1/56012>