

Canine High Mobility Group box1 Protein ELISA Kit | HMGB1 elisa kit

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CATALOG #
AAA89087

REACTIVITY
Canine

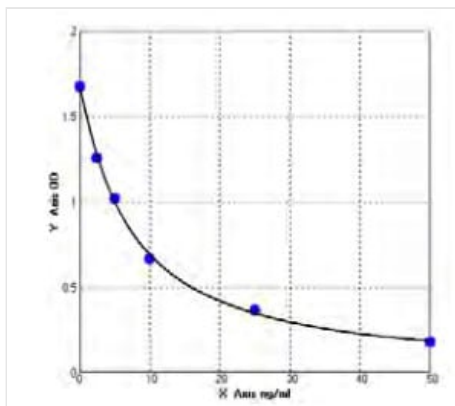
PRODUCT SYNONYMS

High Mobility Group box1 Protein; Canine High Mobility Group box1 Protein ELISA Kit; HMGB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of HMGB1. No significant cross-reactivity or interference between HMGB1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HMGB1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HMGB1 elisa kit	Principle of the Assay: HMGB1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-HMGB1 antibody and an HMGB1-HRP conjugate. The assay sample and buffer are incubated together with HMGB1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HMGB1 concentration since HMGB1 from samples and HMGB1-HRP conjugate compete for the anti-HMGB1 antibody binding site. Since the number of sites is limited, as more sites are occupied by HMGB1 from the sample, fewer sites are left to bind HMGB1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HMGB1 concentration in each sample is interpolated from this standard curve. Intended Uses: This HMGB1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine HMGB1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for HMGB1 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	48145843
NCBI GeneID	3146
UniProt Accession #	P09429; Q14321; Q5T7C3; Q6IBE1; A5D8W9
Molecular Weight	24,894 Da
NCBI Official Full Name	HMGB1
NCBI Official Synonym Full Names	high mobility group box 1
NCBI Official Symbol	HMGB1
NCBI Official Synonym Symbols	HMG1; HMG3; SBP-1
NCBI Protein Information	high mobility group protein B1; HMG-1; Amphoterin; high-mobility group box 1; high mobility group protein 1; Sulfoglucuronyl carbohydrate binding protein; high-mobility group (nonhistone chromosomal) protein 1
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/hmgb1-canine-elisa-kits/high-mobility-group-box1-protein/89087>