

Human High mobility group protein B2 (HMGB2) ELISA Kit | HMGB2 elisa kit

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CATALOG #
AAA245612

REACTIVITY
Human

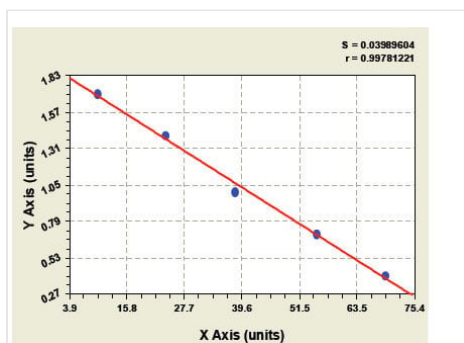
PRODUCT SYNONYMS

High mobility group protein B2 (HMGB2); Human High mobility group protein B2 (HMGB2) ELISA Kit; HMGB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HMGB2 elisa kit

Intended Uses: This HMGB2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HMGB2. This ELISA kit for research use only!

Principle of the Assay: HMGB2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HMGB2 antibody and an HMGB2-HRP conjugate. The assay sample and buffer are incubated together with HMGB2-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 HMGB2 concentration since HMGB2 from samples and HMGB2-HRP conjugate compete for the anti-HMGB2 antibody binding site. Since the number of sites is limited, as more sites are occupied by HMGB2 from the sample, fewer sites are left to bind HMGB2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HMGB2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321591
NCBI GeneID	3148
NCBI Accession #	NP_002120.1
NCBI GenBank Nucleotide #	NM_002129.3
Molecular Weight	24,034 Da
NCBI Official Full Name	high mobility group protein B2
NCBI Official Synonym Full Names	high mobility group box 2
NCBI Official Symbol	HMGB2
NCBI Official Synonym Symbols	HMG2
NCBI Protein Information	high mobility group protein B2; HMG-2; high-mobility group box 2; high mobility group protein 2; high-mobility group (nonhistone chromosomal) protein 2
UniProt Protein Name	High mobility group protein B2
UniProt Gene Name	HMGB2
UniProt Synonym Gene Names	HMG2; HMG-2
UniProt Entry Name	HMGB2_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.