

Mouse Beta-2-Microglobulin (b2M) ELISA Kit | b2M elisa kit

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CATALOG #
AAA189639

REACTIVITY
Mouse

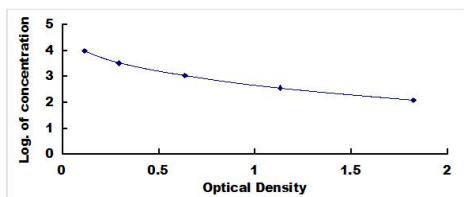
PRODUCT SYNONYMS

Beta-2-Microglobulin (b2M); Mouse Beta-2-Microglobulin (b2M) ELISA Kit; BMG; B2MG; b2M/Beta-2-Microglobulin; b2M elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of b2M. No significant cross-reactivity or interference between b2M and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Mouse serum, plasma, urine and other biological fluids
Detection Range	123.5-10,000pg/mL
Sensitivity	< 48.9pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level b2M were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level b2M were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for b2M elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to b2M has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled b2M and unlabeled b2M (Standards or samples) with the pre-coated antibody specific to b2M. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of b2M in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of b2M in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of b2M in mouse serum, plasma, urine and other biological fluids.
Product Categories/Family for b2M elisa kit	Infection immunity; Kidney biomarker

NCBI AND UNIPROT INFORMATION

NCBI GI #	31981890
NCBI GeneID	12010
NCBI Accession #	NP_033865.2
NCBI GenBank Nucleotide #	NM_009735.3
UniProt Accession #	P01887; Q91XJ8
Molecular Weight	13,779 Da
NCBI Official Full Name	beta-2-microglobulin
NCBI Official Synonym Full Names	beta-2 microglobulin
NCBI Official Symbol	B2m
NCBI Official Synonym Symbols	Ly-m11; beta2m; beta2-m
NCBI Protein Information	beta-2-microglobulin
UniProt Protein Name	Beta-2-microglobulin
UniProt Gene Name	B2m

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/mouse-elisa-kits/beta-2-microglobulin-b2m/189639>