

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

Human Anti-Beta-2-Microglobulin Antibody (Anti-b2M) ELISA Kit

CATALOG # AAA150347	REACTIVITY Human	APPLICATIONS ELISA
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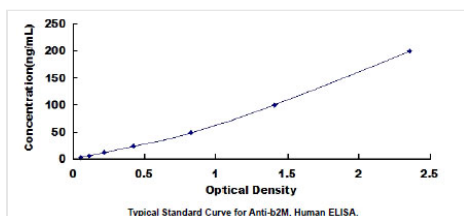
PRODUCT SYNONYMS

Beta-2-Microglobulin (b2M); Human Anti-Beta-2-Microglobulin Antibody (Anti-b2M) ELISA Kit; BMG; B2MG; b2M elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-b2M. No significant cross-reactivity or interference between Anti-b2M and analogues was observed.
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	1.19ng/mL
Applicable Applications for b2M elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-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 Anti-b2M were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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	Intended Uses: The kit is an enzyme immunoassay for in vitro quantitative measurement of Anti-b2M in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with b2M. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-b2M will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Anti-b2M in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for b2M elisa kit	Infection immunity; Kidney biomarker

NCBI AND UNIPROT INFORMATION

NCBI GI #	48428791
NCBI GeneID	567
UniProt Accession #	P61769; P01884; Q540F8; Q6IAT8; Q9UCK0; Q9UD48; Q9UDF4
Molecular Weight	119
NCBI Official Full Name	Beta-2-microglobulin
NCBI Official Synonym Full Names	beta-2-microglobulin
NCBI Official Symbol	B2M
NCBI Protein Information	beta-2-microglobulin; beta-2-microglobin; beta chain of MHC class I molecules
UniProt Protein Name	Beta-2-microglobulin
UniProt Gene Name	B2M
UniProt Entry Name	B2MG_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/human-elisa-kits/beta-2-microglobulin-b2m/150347>