

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

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CATALOG #
AAA281414

REACTIVITY
Human

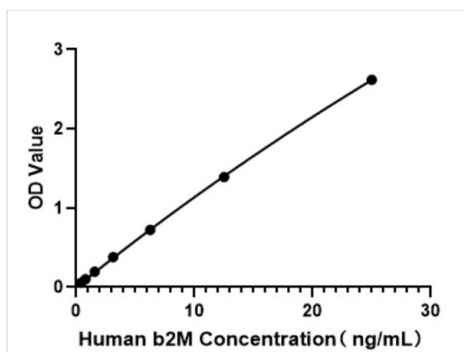
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes both recombinant and natural human b2M. The factors listed below were prepared at 50ng/ml and assayed for cross-reactivity. No significant cross-reactivity was observed.
Sequence Length	119
Assay Type	Quantitative Sandwich
Detection Range	0.39-25ng/mL
Sensitivity	< 0.19ng/mL
Intra-assay Precision	Intra-plate Precision 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-plate Precision 3 samples with low, middle and high level b2M were tested on 3 different plates, 20 replicates in each plate. Inter-Assay: CV<15%
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for b2M elisa kit	Background: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of b2M in human serum, plasma, cell culture supernatants, cell lysates, tissue homogenates and other biological fluids. Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. An antibody specific for human b2M has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any b2M present is bound by the immobilized antibody. After washing away any unbound substances, and then a detection antibody specific for b2M is added to the wells and binds to the combination of capture antibody b2M in sample. Following a wash to remove any unbound combination, and enzyme conjugate is added to the wells. Following incubation and wash steps, a substrate solution is added to the wells and color develops in proportion to the amount of b2M bound in the initial step. The color development is stopped and the absorbance is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4757826
NCBI GeneID	567
NCBI Accession #	NP_004039.1
NCBI GenBank Nucleotide #	NM_004048.3
UniProt Accession #	P61769; P01884; Q540F8; Q6IAT8; Q9UCK0; Q9UD48; Q9UDF4
Molecular Weight	13,715 Da
NCBI Official Full Name	beta-2-microglobulin
NCBI Official Synonym Full Names	beta-2-microglobulin
NCBI Official Symbol	B2M
NCBI Official Synonym Symbols	IMD43
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.