

Human beta-2-microglobulin ELISA Kit | B2M elisa kit

human beta2-microglobulin, BMG/beta2-MG ELISA Kit

CATALOG #
AAA14996

REACTIVITY
Human

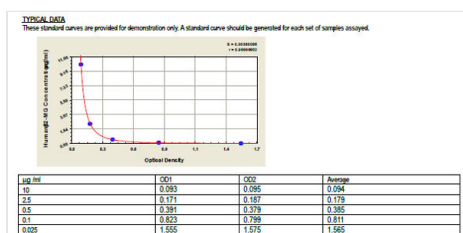
PRODUCT SYNONYMS

beta-2-microglobulin; human beta2-microglobulin; BMG/beta2-MG ELISA Kit; beta chain of MHC class I molecules; beta-2-microglobulin; B2M elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human beta2-MG. No significant cross-reactivity or interference between human beta2-MG and analogues was observed.
Sequence Length	119
Samples	Serum, urine
Assay Type	Quantitative Competitive
Detection Range	0.039 ug/ml-10 ug/ml
Sensitivity	< 0.039ug/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<12%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<15%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

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. The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are added to the appropriate microtiter plate wells with antibody specific for beta2-MG and Horseradish Peroxidase (HRP) conjugated goat-anti-mouse antibody. The competitive inhibition reaction is launched between with pre-coated beta2-MG and beta2-MG in samples. A substrate solution is added to the wells and the color develops in opposite to the amount of beta2-MG in the sample. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757826
NCBI GeneID	567
NCBI Accession #	NP_004039.1
NCBI GenBank Nucleotide #	NM_004048.2
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 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 Synonym Gene Names	CDABP0092; HDCMA22P
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/b2m-human-elisa-kits/beta-2-microglobulin/14996>