

Human Beta-2-Microglobulin, B2M ELISA Kit | B2M elisa kit

Human Beta-2-Microglobulin, B2M Primacu ELISA Kit

CATALOG #
AAA124447

REACTIVITY
Human

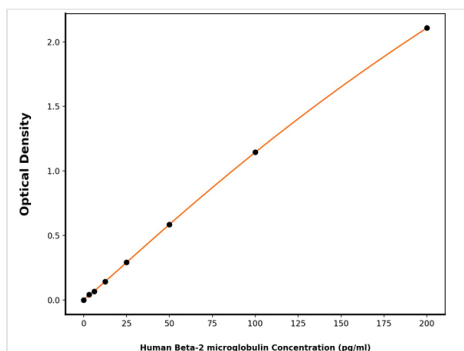
PRODUCT SYNONYMS

Beta-2-Microglobulin; B2M; Human Beta-2-Microglobulin; B2M Primacu ELISA Kit; Beta-2-microglobulin; Beta-2 microglobulin; B2M elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	3.13-200pg/mL
Sensitivity	0.91pg/mL
Standard Solution	2ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for B2M elisa kit

B2M, also known as beta2-Microglobulin or CDABP0092, is a component of MHC class I molecules found expression in all nucleated cells (excludes red blood cells). The major function of MHC class I molecules is to display fragments of proteins from within the cell to T-cells and cells containing foreign proteins will be attacked. B2M (beta2-Microglobulin) is a low molecular weight protein. It was demonstrated that B2M (beta2-Microglobulin) was localized in the membranes of nucleated cells and was found to be associated with HL-A antigens. B2M (beta2-Microglobulin) is present in free form in various body fluids and as a subunit of histocompatibility antigens on cell surfaces lateral to the alpha3 chain. Unlike alpha3, beta2 has no transmembrane region. Directly above beta2 lies the alpha1 chain, which itself is lateral to the alpha2. In the absence of B2M (beta2 microglobulin), very limited amounts of MHC class I (classical and non-classical) molecules can be detected on the surface. In the absence of MHC class I, CD8 T cells, a subset of T cells involved in the development of acquired immunity cannot develop. Low levels of B2M (beta2 microglobulin) can indicate non-progression of HIV.

Product Categories/Family for B2M
elisa kit

Primacu ELISA Kit; Cancer; Immunology; Cardiovascular

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/124447>