

Human beta 2-Microglobulin ELISA Kit | B2M elisa kit

Human beta 2-Microglobulin ELISA Kit

CATALOG #
AAA76910

REACTIVITY
Human

PRODUCT SYNONYMS

beta 2-Microglobulin; Human beta 2-Microglobulin ELISA Kit; Human beta 2-Microglobulin; B2M elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Immunoperoxidase Assay for Determination of Beta 2-Microglobulin in Human Samples
Assay Type	Sandwich
Intended Uses	The Beta 2-Microglobulin test kit is a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring Beta 2-Microglobulin in biological fluids of Human.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for B2M elisa kit	Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the Beta 2-Microglobulin present in samples reacts with the anti-Beta 2-Microglobulin antibodies which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-B2M antibodies conjugated with horseradish peroxidase (HRP), are added. These enzyme-labeled antibodies form complexes with the previously bound B2M. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of B2M in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of B2M in the test sample. The quantity of B2M in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution. Background: Beta 2-Microglobulin (B2M) is an 11 kDa protein. It forms the subunit of the MHC class I molecule and associates with the outer membrane of many cells including lymphocytes. It is present in low levels in serum and urine of normal people, but at a higher concentration in patients with renal diseases, kidney transplants and various other inflammatory and infectious conditions.
Product Categories/Family for B2M elisa kit	ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	179318
NCBI GeneID	567
UniProt Accession #	P61769 ; P01884 ; Q540F8 ; Q6IAT8 ; Q9UCK0 ; Q9UD48 ; Q9UDF4 ; Q16446 ; Q9UM88
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	B2M
NCBI Protein Information	beta-2-microglobulin; OTTHUMP00000161912; 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://www.aaabiotech.com/human-elisa-kits/beta-2-microglobulin/76910>