

Mouse anti-Human B2M Monoclonal Antibody | anti-B2M antibody

B2M antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48257	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

B2M; Monoclonal Antibody; B2M antibody; Beta-2-microglobulin; CDABP0092; HDCMA22P; anti-B2M antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT101F10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	119
Applicable Applications for anti-B2M antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human B2M (21-119aa) purified from E. coli
Clone Note	Anti-human B2M mAb, clone AT101F10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human B2M protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of B2M in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human B2M antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human B2M antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : HeLa cell lysate Lane 2 : U937 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-B2M antibody	Beta2 microglobulin, also known as B2M, is a component of MHC class I molecules, Involved in the presentation of peptide antigens to the immune system. B2M is a protein found on the surface of many cells and plentiful on the surface of white blood cells. Increased production or destruction of these cells causes B2M levels in the blood to increase. This increase is seen in people with cancers involving white blood cells, but it is particularly meaningful in people newly identified with multiple myeloma. Multiple myeloma is a malignancy (cancer) of a certain kind of white blood cell, called a plasma cell. B2M Testing is done primarily when evaluating a person for certain kinds of cancer affecting white blood cells including chronic lymphocytic leukemia, non-Hodgkin's lymphoma, and multiple myeloma or kidney disease.
Product Categories/Family for anti-B2M antibody	Cardiovascular
References	Huang WC., et al (2010) J Biol Chem. 285 (11): 7947-56. ; Morabito A., et al. (2009) Hum Immunol. 70 (7): 492-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757826
NCBI GeneID	567
NCBI Accession #	NP_004039
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 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/b2m-antibody-clone-at101f10-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48257>