Mouse anti-Human b2-Microglobulin Monoclonal Antibody | anti-B2M antibody

b2-Microglobulin (B2M, Beta-2-microglobulin) (APC)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24571	**Mouse**	**Human**	**ELISA, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

b2-Microglobulin; Monoclonal Antibody; b2-Microglobulin (B2M; Beta-2-microglobulin) (APC); anti-B2M antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	3F9-2C2
Specificity	Recognizes human B2M.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Applicable Applications for anti-B2M antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to aa1-119 from human B2M (AAH32589) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSRSVALAVLALLSLSGLEAIQRTPKIQVYSRHPAENGKSNFLNCYVSGFHPSDIEVDLLKNGERIEKVEHSDLSFSKDWSFYLLYYTEFTPTEKDEYACRV
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the ori the cap.

IMAGES

WB (Western Blot)
Western Blot analysis of B2M expression in transfected 293T cell line by B2M monoclonal antibody. Lane 1: B2M transfected lysate (13.7kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
B2M monoclonal antibody, Western Blot analysis of B2M expression in U-2 OS.

Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between CALR and B2M. HeLa cells were stained with CALR rabbit purified polyclonal 1:1200 and B2M mouse monoclonal antibody 1:50. Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.

Application Data
Detection limit for recombinant GST tagged B2M is ~0.03ng/ml as a capture antibody.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to B2M on HeLa cell. [antibody concentration 10ug/ml].

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to B2M on formalin-fixed paraffin-embedded human esophagus. [antibody concentration 3ug/ml].

ADDITIONAL INFORMATION

Product Categories/Family for anti-B2M antibody	Antibodies; Serum Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	21619743
NCBI GeneID	567
Molecular Weight	13,715 Da
NCBI Official Full Name	Homo sapiens beta-2-microglobulin, mRNA
NCBI Official Synonym Full Names	beta-2-microglobulin
NCBI Official Symbol	B2M
NCBI Official Synonym Symbols	IMD43
NCBI Protein Information	beta-2-microglobulin

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/b2-microglobulin-antibody-clone-3f9-2c2-immunofluorescence-immunohistochemistry-western-blot-elisa/24571