

Mouse Beta 2 Microglobulin Monoclonal Antibody | anti-B2M antibody

mAb anti-Human Beta 2 Microglobulin

CATALOG # AAA77907	HOST Mouse	REACTIVITY Human. Others not tested	APPLICATIONS ELISA
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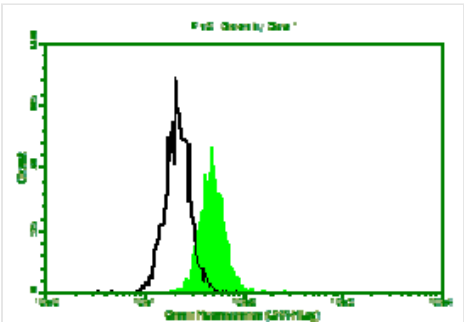
PRODUCT SYNONYMS

Beta 2 Microglobulin; Monoclonal Antibody; mAb anti-Human Beta 2 Microglobulin; Mouse monoclonal antibody to human beta 2 microglobulin (B2MG); anti-B2M antibody

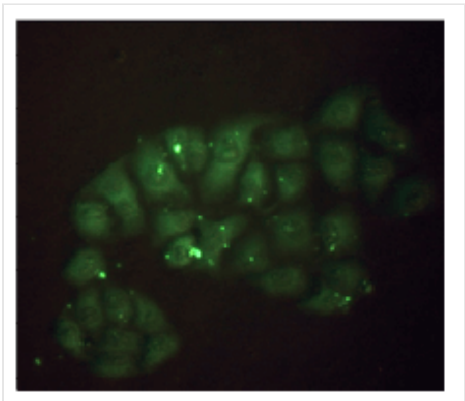
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not tested
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	D2A10
Specificity	Beta 2 Microglobulin
Purity/Purification	Protein G affinity purified
Form/Format	Lyophilized from a solution in 0.01M PBS, pH 7.2
Sequence Length	119
Applicable Applications for anti-B2M antibody	ELISA
Target Protein	Human beta 2 microglobulin (B2MG)
Immunogen	Highly purified beta 2 microglobulin from human urine.
Fusion Myeloma	Sp2/0-Ag14
Light Chain	Kappa
Reconstitution	Double distilled water is recommended to reconstitute the antibody.
Research Area	Renal disease, plasma cell cancer
Preparation and Storage	Store at -20°C

IMAGES



FCM/FACS (Flow Cytometry)
Is the histogram of Mouse anti-Human beta 2 Micro Globulin monoclonal antibody 1:100 (10ug/mL) staining of Hela cells. Black line histogram represents the isotype control, Mouse anti-TB 38Kd antigen monoclonal antibody .



IF (Immunofluorescence)
Staining of methanol-fixed Hela cells: Mouse anti-Human beta 2 Microglobulin monoclonal antibody (D2A10) 1:50 (20ug/mL).



WB (Western Blot)
Detect 100 ng recombinant human B2MG antigen (right lane) using anti-human B2MG mAb D2A10 at 1 ug/mL dilution

ADDITIONAL INFORMATION

Related Product Information for anti-B2M antibody	Human beta 2 microglobulin (B2MG) is a component of major histocompatibility complex 1 (MHC1). It is abundant at the surface of lymphocytes and exists at the surface of all cell types except red cells and platelets. B2MG is normally filtered out of blood through glomeruli, but the process is impaired in patients with renal diseases. Elevated B2MG level is implicated with lymphoma, multiple myeloma, renal diseases, viral infections and auto-immune conditions.
Product Categories/Family for anti-B2M antibody	Primary antibody; Monoclonal Antibodies to Human Inflammatory Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757826
NCBI GeneID	567
NCBI Accession #	NP_004039.1
NCBI GenBank Nucleotide #	NM_004048.2
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 chain of MHC class I molecules; beta-2-microglobin
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/monoclonal/beta-2-microglobulin-antibody-clone-d2a10-elisa/77907>