

Mouse anti-Human B2M / Beta 2 Microglobulin Monoclonal Antibody | anti-B2M antibody

Mouse Monoclonal [clone 2213] (IgG1) to Human B2M / Beta 2 Microglobulin

CATALOG # AAA12342	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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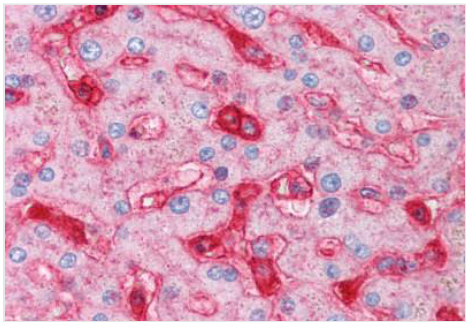
PRODUCT SYNONYMS

B2M / Beta 2 Microglobulin; Monoclonal Antibody; Mouse Monoclonal [clone 2213] (IgG1) to Human B2M / Beta 2 Microglobulin; Anti-B2M / Beta 2 Microglobulin Antibody (clone 2213) IHC-plus; B2M; Beta 2 Microglobulin; Beta-2-microglobulin; Beta-2-microglobin; Human B2M; anti-B2M antibody

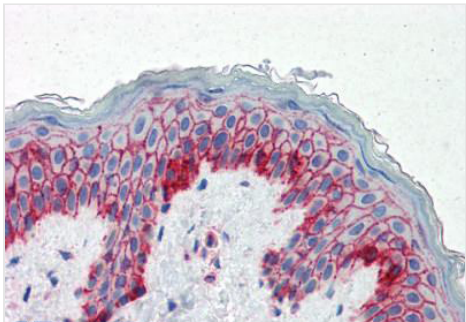
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2213
Specificity	Specific for human beta 2 microglobulin. B2M is the beta chain of MHC class I molecules. The precursor protein has a molecular weight of approximately 14 kD and is 119 amino acids in length.
Purity/Purification	Protein A Purified
Form/Format	PBS, pH 8.0, 0.05% sodium azide, 10% glycerol.
Concentration	1.1 mg/ml (varies by lot)
Sequence Length	119
Applicable Applications for anti-B2M antibody	IHC (Immunohistochemistry), ELISA
Application Notes	ELISA, IHC-P (5 ug/ml) Usage: Immunohistochemistry: was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary anti...
Target Species	Human
Immunogen Description	Highly pure beta-2-microglobulin from human urine.
Immunogen	B2M / Beta 2 Microglobulin antibody was raised against highly pure beta-2-microglobulin from human urine.
Preparation and Storage	+4 degree C or -20 degree C, Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-B2M antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)
Anti-B2M antibody IHC of human skin. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-B2M antibody	Beta 2-microglobulin is the low molecular weight component of HLA antigens and as such is involved in the presentation of endogenous antigens, activation of T lymphocytes and functional emergence of natural killer cells. It is found in the serum of normal individuals and in the urine in elevated amounts in patients with Wilson disease, cadmium poisoning and other conditions leading renal tubular dysfunction.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4757826
NCBI GeneID	567
NCBI Accession #	NP_004039.1
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 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/monoclonal/b2m-beta-2-microglobulin-antibody-clone-2213-immunohistochemistry-elisa/12342>