

Mouse anti-Human beta2-microglobulin Monoclonal Antibody | anti-B2M antibody

Anti-beta2-microglobulin Mouse mAb

CATALOG # AAA14146	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot
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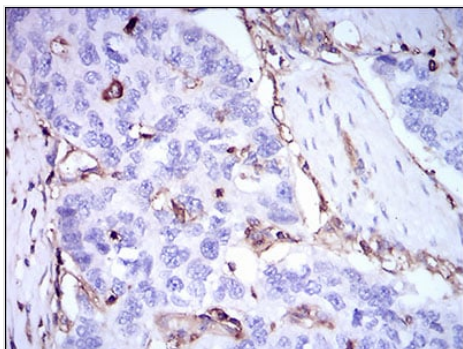
PRODUCT SYNONYMS

beta2-microglobulin; Monoclonal Antibody; Anti-beta2-microglobulin Mouse mAb; B2M; B2MG_HUMAN; Beta 2 microglobin; Beta 2 microglobulin; Beta 2 microglobulin precursor; Beta chain of mhc class 1 proteins; Beta chain of MHC class I molecules; Beta-2-microglobulin form pI 5.3; CDABP0092; Hdcma22p; anti-B2M antibody

PRODUCT SPECIFICATIONS

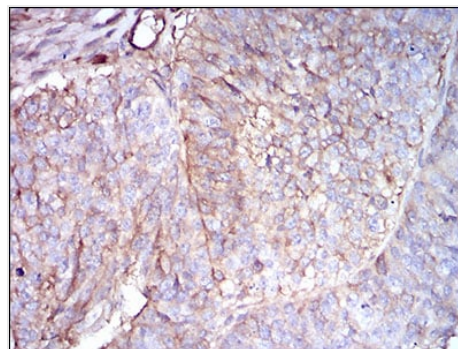
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	5G12-E9-E1
Form/Format	Purified antibody in PBS with 0.05% sodium azide.
Sequence Length	119
Applicable Applications for anti-B2M antibody	WB (Western Blot)
Immunogen	Purified recombinant fragment of human B2M (AA: 21-100) expressed in E Coli.
Sequence Similarities	Contains 1 Ig-like C1-type (immunoglobulin-like) domain.
Subunit Structure	Heterodimer of an alpha chain and a beta chain. Beta-2-microglobulin is the beta-chain of major histocompatibility complex class I molecules. Polymers of beta 2-microglobulin can be found in tissues from patients on long-term hemodialysis.
Subcellular Location	Secreted

IMAGES



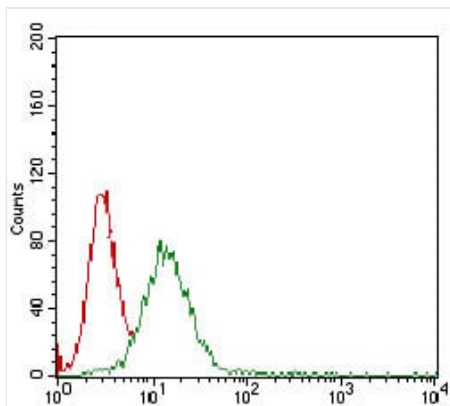
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using B2M mouse mAb with DAB staining.



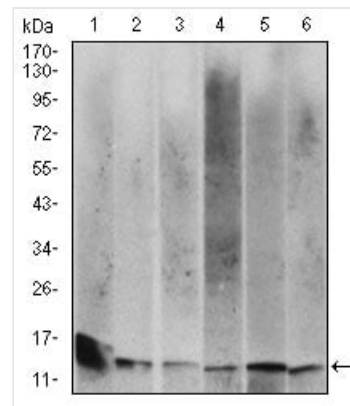
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using B2M mouse mAb with DAB staining.



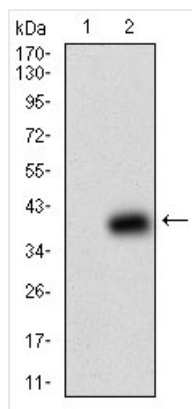
FCM (Flow Cytometry)

Flow cytometric analysis of A431 cells using B2M mouse mAb (green) and negative control (red).



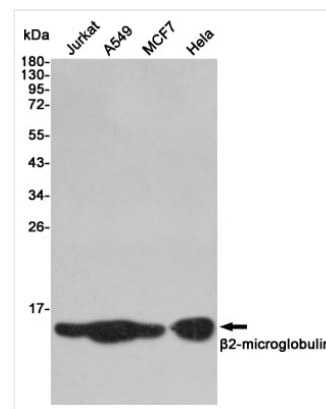
WB (Western Blot)

Western blot analysis using B2M mouse mAb against Hela (1), HEK293 (2), HepG2 (3), RAJI (4), A431 (5) and Jurkat (6) cell lysate.



WB (Western Blot)

Western blot analysis using B2M mAb against HEK293 (1) and B2M (AA)



WB (Western Blot)

Western blot detection of beta2-microglobulin in Jurkat, A549, MCF7 and Hela cell lysates using beta2-microglobulin mouse mAb (1:2000 diluted). Predicted band size: 14 kDa. Observed band size: 14 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-B2M antibody

Entrez Summary: This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. The encoded antimicrobial protein displays antibacterial activity in amniotic fluid. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.[provided by RefSeq, Aug 2014]

UniProt Summary Function: Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system.

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	12kDa
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/beta2-microglobulin-antibody-clone-5g12-e9-e1-western-blot-elisa/14146>