

Mouse anti-Human b2-Microglobulin Monoclonal Antibody | anti-HLA-G antibody

b2-Microglobulin (B2M, Beta-2-microglobulin, CDABP0092, HDCMA22P)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14785	Mouse	Human	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

b2-Microglobulin; Monoclonal Antibody; b2-Microglobulin (B2M; Beta-2-microglobulin; CDABP0092; HDCMA22P); Anti -b2-Microglobulin (B2M; anti-HLA-G antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	3F9-2C2
Specificity	Recognizes human B2M.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	MSRSVALAVL ALLSLSGLEA IQRTPKIQVY SRHPAENGKS NFLNCYVSGF HPSDIEVDLL KNGERIEKVE HSDLSFSKDW SFYLLYTEF TPTEKDEYAC RVNHVTLSP KIVKWDRDM
Applicable Applications for anti-HLA-G antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Suitable for use in Immunofluorescence, ELISA, Western Blot and Immunohistochemistry. Dilution: Immunofluorescence: 10ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 3ug/ml
Immunogen	Full length recombinant corresponding to aa1-119 from human B2M (AAH32589) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing 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.



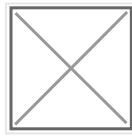
Application Data

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.



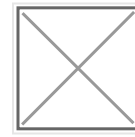
Application Data

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

Related Product Information for anti-HLA-G antibody	Beta-2-microglobulin is a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells.
Product Categories/Family for anti-HLA-G antibody	Antibodies ; Abs to Serum Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	188468
NCBI GeneID	3135
UniProt Accession #	P17693
Molecular Weight	38,224 Da
NCBI Official Full Name	b2 microglobulin
NCBI Official Synonym Full Names	major histocompatibility complex, class I, G
NCBI Official Symbol	HLA-G
NCBI Official Synonym Symbols	MHC-G
NCBI Protein Information	HLA class I histocompatibility antigen, alpha chain G; HLA G antigen; b2 microglobulin; HLA class I molecule; MHC class I antigen G; HLA-G histocompatibility antigen, class I, G
UniProt Protein Name	HLA class I histocompatibility antigen, alpha chain G
UniProt Gene Name	HLA-G
UniProt Synonym Gene Names	HLA-6.0; HLAG
UniProt Entry Name	HLAG_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/b2-microglobulin-antibody-clone-3f9-2c2-western-blot-immunohistochemistry-immunofluorescence-elisa/14785>