

Rabbit Beta-2 Microglobulin Monoclonal Antibody | anti-B2M antibody

Beta-2 Microglobulin (Renal Failure & Tumor Marker) Recombinant Rabbit Monoclonal Antibody [Clone B2M/7013R]

CATALOG # AAA215863	HOST Rabbit	REACTIVITY Human and non-human primates.	APPLICATIONS Immunohistochemistry
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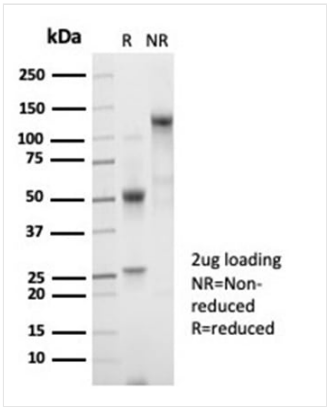
PRODUCT SYNONYMS

Beta-2 Microglobulin; Monoclonal Antibody; Beta-2 Microglobulin (Renal Failure & Tumor Marker) Recombinant Rabbit Monoclonal Antibody [Clone B2M/7013R]; Beta-2 Microglobulin (Renal Failure & Tumor Marker); B2M; Beta 2 microglobin; Beta 2 microglobulin; Beta chain of MHC class I molecules; Beta-2-microglobulin form pI 5.3; Hdcma22p; anti-B2M antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human and non-human primates.
Clonality	Monoclonal
Isotype	Rabbit/IgG
Clone Number	B2M/7013R
Form/Format	200ug/ml of Ab purified by Protein A Column. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-B2M antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant full-length human B2M protein
Cellular Localization	Cell Surface, Extracellular (Secreted)
Positive Control	Raji, HL-60 or HeLa cells. Human carcinomas of stomach, cervix, endometrial, kidney or colon.
Hu-chromosome Location	15q21-q22.2
Unigene	534255
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified B2M Rabbit Recombinant Monoclonal Antibody (B2M/7013R).
Confirmation of Purity and Integrity of Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-B2M antibody	Recognizes a protein of 12kDa, identified as beta-2 microglobulin. Major histocompatibility complex (MHC) class 1 molecules bind to antigens for presentation on the surface of cells. The proteasome is responsible for producing these antigens from the components of foreign pathogens. MHC class 1 molecules consist of an alpha heavy chain that contains three subdomains (alpha1, alpha2, alpha3) and a non-covalent associating light chain, known as beta-2-Microglobulin. Beta-2-Microglobulin associates with the alpha3 subdomain of the alpha heavy chain and forms an immunoglobulin domain-like structure that mediates proper folding and expression of MHC class 1 molecules. The alpha1 and alpha2 domains of the alpha heavy chain form the peptide antigen-binding cleft. Mutations in the beta-2-Microglobulin gene can enhance the progression of malignant melanoma phenotypes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48428791
NCBI GeneID	567
UniProt Accession #	P61769; P01884; Q540F8; Q6IAT8; Q9UCK0; Q9UD48; Q9UDF4
Molecular Weight	119
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.