

Rabbit anti-Rat Beta-2 microglobulin Monoclonal Antibody | anti-B2M antibody

Recombinant Anti-Beta-2 microglobulin Antibody, Rabbit Monoclonal

CATALOG # AAA257327	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry, ELISA, ELISA
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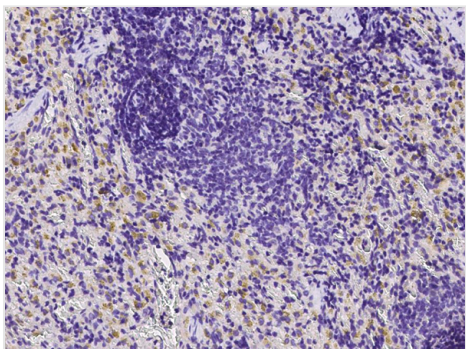
PRODUCT SYNONYMS

Beta-2 microglobulin; Monoclonal Antibody; Recombinant Anti-Beta-2 microglobulin Antibody; Rabbit Monoclonal; B2M/beta-2 microglobulin Antibody; Rabbit MAb; beta-2 microglobulin; anti-B2M antibody

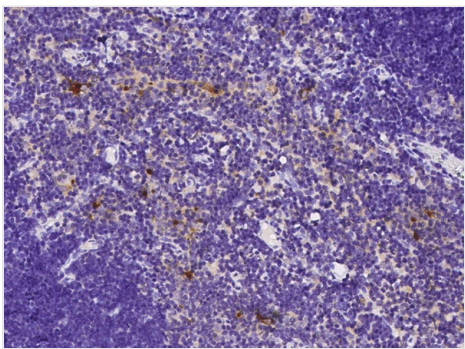
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	035
Specificity	Rat B2M/beta-2 microglobulin
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-B2M antibody	IHC (Immunohistochemistry), ELISA, ELISA
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Rat B2M/beta-2 microglobulin Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Rat B2M/beta-2 microglobulin (rR B2M/beta-2 microglobulin).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of rat B2M in rat spleen with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of rat B2M in rat thymus with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-B2M antibody	B2M, also known as beta2-Microglobulin or CDABP0092, is a component of MHC class I molecules found expression in all nucleated cells (excludes red blood cells). The major function of MHC class I molecules is to display fragments of proteins from within the cell to T-cells and cells containing foreign proteins will be attacked. B2M (beta2-Microglobulin) is a low molecular weight protein. It was demonstrated that B2M (beta2-Microglobulin) was localized in the membranes of nucleated cells and was found to be associated with HL-A antigens. B2M (beta2-Microglobulin) is present in free form in various body fluids and as a subunit of histocompatibility antigens on cell surfaces lateral to the alpha3 chain. Unlike alpha3, beta2 has no transmembrane region. Directly above beta2 lies the alpha1 chain, which itself is lateral to the alpha2. In the absence of B2M (beta2 microglobulin), very limited amounts of MHC class I (classical and non-classical) molecules can be detected on the surface. In the absence of MHC class I, CD8 T cells, a subset of T cells involved in the development of acquired immunity cannot develop. Low levels of B2M (beta2 microglobulin) can indicate non-progression of HIV.
References	Poulik MD, et al. (1979) Beta 2-Microglobulin: methods and clinical applications. CRC Crit Rev Clin Lab Sci. 10(3): 225-45. Poulik MD, et al. (1975) Beta2-Microglobulins. Contemp Top Mol Immunol. 4: 157-204. Berggard I. (1976) Beta2-Microglobulins: isolation, properties, and distribution. Fed Proc. 35(5): 1167-70.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7549746
NCBI GeneID	24223
NCBI Accession #	NP_036644.1
NCBI GenBank Nucleotide #	NM_012512.2
UniProt Accession #	P07151
Molecular Weight	13,720 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-microglobulin C-terminal fragment (55 AA)
UniProt Protein Name	Beta-2-microglobulin
UniProt Gene Name	B2m
UniProt Entry Name	B2MG_RAT

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://www.aaabiotech.com/monoclonal/beta-2-microglobulin-antibody-clone-035-immunohistochemistry-elisa/257327>