

Product Datasheet

beta 2-Microglobulin Antibody (BBM.1) NBP2-44469-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44469-0.1mg

beta 2-Microglobulin Antibody (BBM.1)

Product Information

Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	BBM.1
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	12 kDa

Product Description

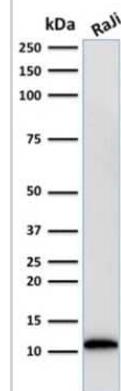
Host	Mouse
Gene ID	567
Gene Symbol	B2M
Species	Human, Primate
Marker	Renal Failure & Tumor Marker
Specificity/Sensitivity	Recognizes a protein of 12kDa, identified as microglobulin. Major histocompatibility complex (MHC) class 1 molecules bind to antigens for presentation on the surface of cells. The 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.
Immunogen	MOLT-4 human T cell line

Product Application Details

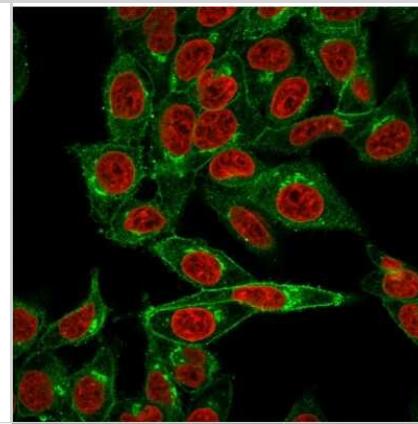
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen 0.5 - 1.0 ug/ml
Application Notes	Immunohistochemistry (Frozen): 1-2ug/ml for 30 minutes at RT. Optimal dilution for a specific application should be determined.

Images

Western Blot: beta 2-Microglobulin Antibody (BBM.1) [NBP2-44469] - Western Blot Analysis of human Raji cell lysate using beta 2-Microglobulin Antibody (BBM.1).



Immunocytochemistry/Immunofluorescence: beta 2-Microglobulin Antibody (BBM.1) [NBP2-44469] - Immunofluorescent staining of HeLa cells. beta 2-Microglobulin Antibody (BBM.1) followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red)





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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