

Product Datasheet

beta 2-Microglobulin Antibody (BBM.1) - Chimeric - Azide and BSA Free NBP2-81045-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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NBP2-81045-0.2mg

beta 2-Microglobulin Antibody (BBM.1) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	BBM.1
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit beta 2-Microglobulin Antibody (BBM.1) - Chimeric - Azide and BSA Free (NBP2-81045) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	567
Gene Symbol	B2M
Species	Human
Specificity/Sensitivity	Binds human beta 2-Microglobulin, a component of MHC class I molecules, which are present on all nucleated cells (excludes red blood cells) and involved in the presentation of peptide antigens to the immune system.
Immunogen	Molt 4, a human T cell line.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG2b format, for improved compatibility with existing reagents, assays and techniques.

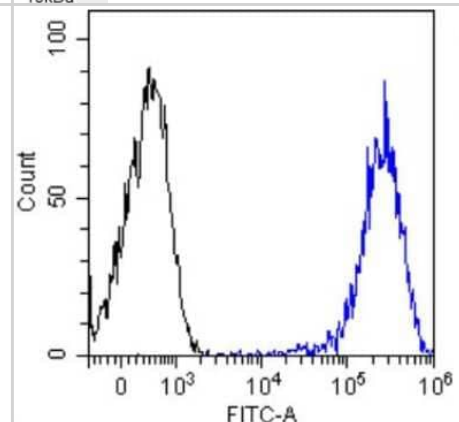


Images

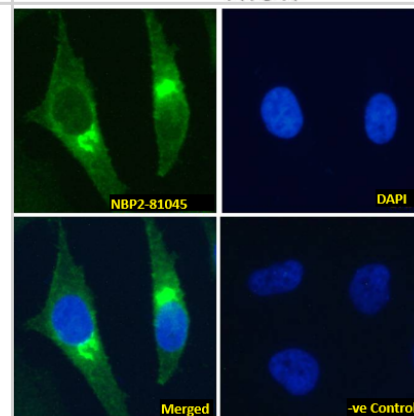
Western Blot: beta 2-Microglobulin Antibody (BBM.1) - Chimeric [NBP2-81045] - Western Blot using anti-Beta-2 microglobulin antibody BBM.1 [NBP2-81045]. HeLa cell lysate (35ug protein in RIPA buffer) was resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of BBM.1 [NBP2-81045] at 0.03 ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected band size for Beta-2 microglobulin is 13.7 kDa. NBP2-81045 successfully detected human Beta-2 microglobulin in both HeLa cell extract and human duodenum samples.



Flow Cytometry: beta 2-Microglobulin Antibody (BBM.1) - Chimeric [NBP2-81045] - Flow-cytometry using the anti-Beta-2 microglobulin antibody BBM.1 [NBP2-81045]. HeLa cells were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of BBM.1 (NBP2-81045, blue line) at a concentration of 10 ug/ml for 30 mins at RT. After washing, bound antibody was detected using anti-rabbit IgG JK (FITC-conjugate) antibody at 2 ug/ml and cells analyzed on a FACSCanto flow-cytometer.



Immunocytochemistry /Immunofluorescence: beta 2-Microglobulin Antibody (BBM.1) - Chimeric - Azide and BSA Free [NBP2-81045] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton stained with NBP2-81045 at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/ml), showing endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom: NBP2-81045, DAPI, merged channels and a negative control. The negative control was stained with unimmunized rabbit IgG followed by Alexa Fluor 488 secondary antibody.





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Products Related to NBP2-81045-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP1-50840-0.01mg	Recombinant Human beta 2-Microglobulin His Protein
210-TA-005	TNF-alpha [Unconjugated]

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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