

# 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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Updated 10/19/2023 v.20.1

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**NBP2-81045-0.2mg**

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

<b>Product Information</b>	
<b>Unit Size</b>	0.2 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	BBM.1
<b>Preservative</b>	0.02% Proclin 300
<b>Isotype</b>	IgG Kappa
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	567
<b>Gene Symbol</b>	B2M
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	Molt 4, a human T cell line.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
<b>Application Notes</b>	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.

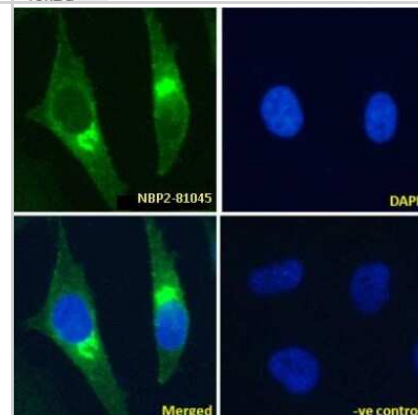


## Images

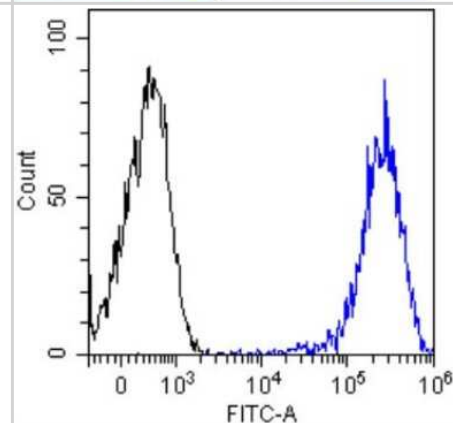
**Western Blot: beta 2-Microglobulin Antibody (BBM.1) - Chimeric [NBP2-81045]** - Western Blot using anti-Beta-2 microglobulin antibody BBM.1 [NBP2-81045]. HeLa cell lysate (35ug protein in RIPA buffer) was resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of BBM.1 [NBP2-81045] 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.



**Immunocytochemistry/Immunofluorescence: beta 2-Microglobulin Antibody (BBM.1) - Chimeric [NBP2-81045]** - Immunofluorescence staining of fixed HeLa cells with anti-Beta-2 microglobulin antibody BBM.1 [NBP2-81045]. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton stained with the chimeric rabbit IgG version of BBM.1 [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.



**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.





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### **Products Related to NBP2-81045-0.2mg**

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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]

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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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