

Product Datasheet

beta 2-Microglobulin Antibody (C21.48A1) NBP2-44470-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44470-0.1mg

beta 2-Microglobulin Antibody (C21.48A1)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	C21.48A1
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

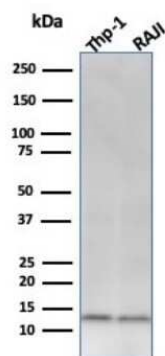
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-11404) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	567
Gene Symbol	B2M
Species	Human, Primate
Reactivity Notes	Non-Human primates.
Marker	Renal Failure & Tumor Marker
Specificity/Sensitivity	The antibody recognizes the hidden determinant of beta-2 microglobulin (i.e. binding to its determinant is available only when the chain is separated from the HLA heavy chain. Beta-2 microglobulin is a 12KDa protein with a pI of 5.6. Serum beta2 microglobulin levels are a reflection of cell turnover. Levels rise with fever, inflammation, and infection. Increased serum levels are also seen in B-cell malignancies and in renal failure and may indicate a worse prognosis for patients with early-stage Hodgkins lymphoma. In urine, increased levels are seen in proximal renal tubular disease as well as renal transplant rejection. Beta2 microglobulin levels can rise either because its rate of synthesis has increased (e.g. in AIDS, malignant monoclonal plasma cell dyscrasia, solid tumours and autoimmune disease) or because of impaired renal filtration (e.g. due to renal insufficiency, graft rejection or nephrotoxicity induced by post-transplantation immunosuppressive therapy).
Immunogen	Soluble beta 2-Microglobulin (Uniprot: P61769)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunofluorescence
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml
Application Notes	Optimal dilution for a specific application should be determined.

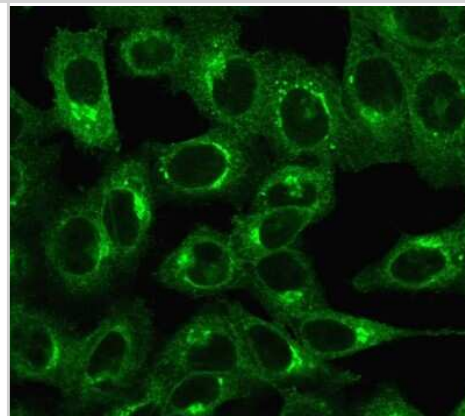


Images

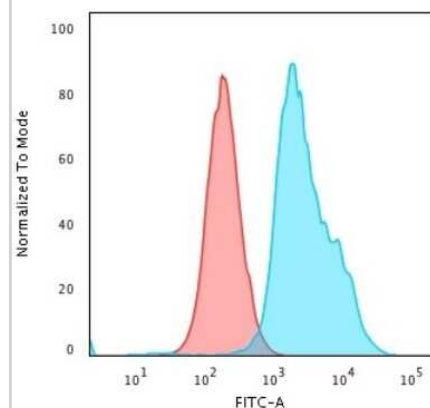
Western Blot: beta 2-Microglobulin Antibody (C21.48A1) [NBP2-44470] - Western Blot Analysis of THP-1 and Raji cell lysate using beta 2-Microglobulin Antibody (C21.48A1).



Immunocytochemistry/Immunofluorescence: beta 2-Microglobulin Antibody (C21.48A1) [NBP2-44470] - Immunofluorescent staining of HeLa cells. beta 2-Microglobulin Mouse Monoclonal Antibody (C21.48A1) followed by goat anti-Mouse IgG-CF488 (Green).



Flow Cytometry: beta 2-Microglobulin Antibody (C21.48A1) [NBP2-44470] - Flow Cytometric Analysis of PFA-fixed HeLa cells using beta 2-Microglobulin Antibody (C21.48A1) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red)





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Products Related to NBP2-44470-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP1-50840-0.01mg	Recombinant Human beta 2-Microglobulin His Protein

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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