

Product Datasheet

CD38 Antibody (AT13/5) - Chimeric - Azide and BSA Free NBP2-81055-0.2mg

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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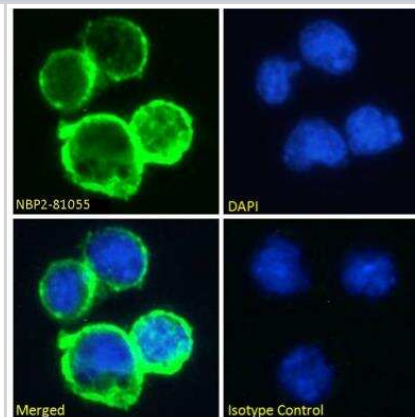
NBP2-81055-0.2mg

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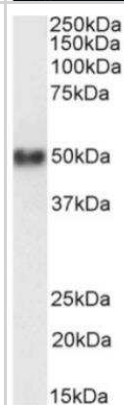
Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	AT13/5
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques. The antibody binds to CD38, a glycoprotein on the surface of various immune cells that catalyzes the hydrolysis of cyclic ADP-ribose to NAD ⁺ and ADP-ribose.
Host	Rabbit
Gene ID	952
Gene Symbol	CD38
Species	Human
Specificity/Sensitivity	Binds specifically to human CD38, an approximately 45 kDa type II transmembrane protein, expressed on essentially all pre-B lymphocytes, plasma cells, and thymocytes. Also present on activated T lymphocytes, natural killer (NK) lymphocytes, myeloblasts, and erythroblasts. Bimodally expressed during B cell development, modulating from high in immature cells to low in intermediate ones and back to high on mature B cells. This antibody competes with clone HB7 (Ellis 1995) which has been shown to bind to an epitope between amino acids 273-285.
Immunogen	Namalwa cells emulsified in CFA
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence

Images

Immunocytochemistry/Immunofluorescence: CD38 Antibody (AT13/5) [NBP2-81055] - Immunofluorescence staining of fixed Daudi cells with anti-CD38 antibody AT13/5 [NBP2-81055]. Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix coverslips, permeabilized with 0.15% Triton and stained with the chimeric rabbit IgG version of AT13/5 [NBP2-81055] at 10 ug/mL for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP2-81055, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.



Western Blot: CD38 Antibody (AT13/5) [NBP2-81055] - Western Blot using anti-CD38 antibody (AT13/5) [NBP2-81055]. Human spleen lysate samples (35 ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of AT13/5 [NBP2-81055] at 1 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 running size for CD38 is 34.3 kDa, but this protein is glycosylated at several residues. NBP2-81055 successfully detected CD38 in human spleen lysate.





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Products Related to NBP2-81055-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-52339-0.05mg	Recombinant Human CD38 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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