

Product Datasheet

Beta Dystroglycan Antibody (P38G1) - BSA Free NBP3-43569

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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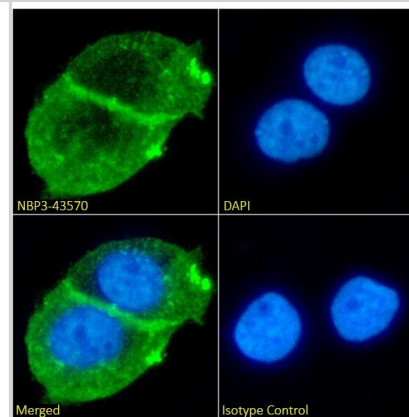
NBP3-43569

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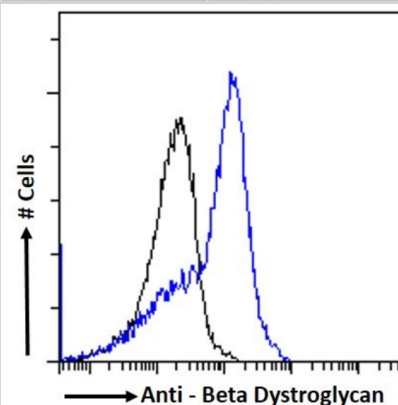
Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	P38G1
Preservative	0.02% Proclin 300
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse Beta Dystroglycan Antibody (P38G1) - BSA Free (NBP3-43513) is a recombinant monoclonal antibody validated for use in ELISA and Flow. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1605
Gene Symbol	DAG1
Species	Human, Mouse
Specificity/Sensitivity	This antibody recognizes human and mouse beta dystroglycan (beta-DAG). Beta-dystroglycan is a transmembrane protein that plays an important role in connecting the extracellular matrix to the cytoskeleton. It plays an important role in linking dystrophin to the laminin-binding alpha-dystroglycan. It acts as a cell adhesion receptor in both muscle and non-muscle tissues. It also functions in cell adhesion-mediated signaling and implicated in cell polarity.
Immunogen	The original antibody was generated by immunizing BALB/c mice with a mixture of transfected HEK 293 cells expressing human and mouse beta-DAG. (Uniprot# Q14118; Q62165)
Product Application Details	
Applications	ELISA, Flow Cytometry
Recommended Dilutions	Flow Cytometry, ELISA

Images

Immunocytochemistry/ Immunofluorescence: Beta Dystroglycan Antibody (P38G1) - BSA Free [NBP3-43569] - Immunofluorescence analysis of paraformaldehyde fixed A431 cells on coverslips stained with the chimeric version of this antibody, NBP3-43570 (1:100 dilution) for 1h followed by Alexa Fluor® 488 secondary antibody (1:1000 dilution), showing cell membrane/junction and cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, NBP3-43570, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor® 488 secondary antibody.



Flow Cytometry: Beta Dystroglycan Antibody (P38G1) - BSA Free [NBP3-43569] - MCF7 cells were stained with the anti-unknown specificity antibody (isotype control, black line) or the chimeric version of this antibody, NBP3-43570 (blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACSCanto flow-cytometer.



Western Blot: Beta Dystroglycan Antibody (P38G1) - BSA Free [NBP3-43569] - Human skeletal muscle tissue lysate (35µg protein in RIPA buffer) was resolved on an SDS-PAGE gel, and blots were probed with the chimeric version of this antibody, NBP3-43570 at 0.1µg/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1 hour was used, and protein was detected by chemiluminescence.





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Products Related to NBP3-43569

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
236-EG-200	EGF [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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