

Product Datasheet

Integrin alpha 5 beta 1 Antibody (SG/19) - BSA Free NBP3-43578

Unit Size: 0.1 mg

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

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Updated 10/22/2025 v.20.1

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NBP3-43578

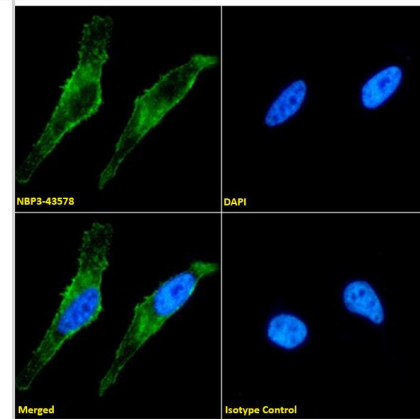
Integrin alpha 5 beta 1 Antibody (SG/19) - BSA Free

Product Information	
Unit Size	0.1 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	SG/19
Preservative	0.02% Proclin 300
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse Integrin alpha 5 beta 1 Antibody (SG/19) - BSA Free (NBP3-43522) is a recombinant monoclonal antibody validated for use in Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3678
Gene Symbol	ITGA5
Species	Human
Specificity/Sensitivity	This antibody binds human integrin alpha 5 beta 1 near the N-terminus. Epitope mapping of SG/19 revealed that Thr82 in the 1 subunit, located at the outer face of the boundary between the I-like and hybrid domains, was the key binding determinant for this antibody. Integrin alpha5 beta 1 is also known as fibronectin receptor and binds matrix macromolecules and proteinases and thereby stimulates angiogenesis. Integrin alpha5beta1, is a member of the integrin family, is a heterodimer composed by two subunits, alpha5 (ITGA5/CD49e) and beta1 (ITGB1/CD29), and both are necessary for complete biological functions. The interaction of VLA-5 with fibronectin plays an important role in regulating inflammatory cytokine production by human articular chondrocytes (From the Cell Migration Gateway ITGA5 ITGB1
Immunogen	The original antibody was generated by immunizing BALB/c mice with Nalm-6 cells. (Uniprot# P05556)
Product Application Details	
Applications	Flow Cytometry, Functional, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Functional



Images

Immunocytochemistry /Immunofluorescence: Integrin alpha 5 beta 1 Antibody (SG/19) - BSA Free [NBP3-43578] - Immunofluorescence analysis of paraformaldehyde-fixed HeLa cells on Shi-fix coverslips stained with NBP3-43578 (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom: NBP3-43578, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.





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Products Related to NBP3-43578

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
7268-CT-100	CTLA-4 [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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