

Product Datasheet

Integrin alpha 4/CD49d Antibody - BSA Free NBP1-77333

Unit Size: 0.1 mg

Store at 4C.

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NBP1-77333

Integrin alpha 4/CD49d Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS

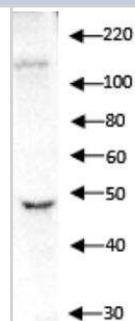
Product Description	
Description	Novus Biologicals Rabbit Integrin alpha 4/CD49d Antibody - BSA Free (NBP1-77333) is a polyclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-Integrin alpha 4/CD49d Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3676
Gene Symbol	ITGA4
Species	Human, Mouse, Rat, Insect
Reactivity Notes	Insect (tick, Ixodes scapularis) reactivity reported from a verified customer review.
Specificity/Sensitivity	At least two isoforms are known to exist. The immunogen to this antibody is within the Integrin alpha4 recombinant protein fragment and thus will recognize it.
Immunogen	Antibody was raised against a 15 amino acid synthetic peptide from near the center of human Integrin alpha 4. The immunogen is located within amino acids 220 - 270 of Integrin alpha 4. Amino Acid Sequence: TTNKYKAFLDKQNQV

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1 ug/mL, ELISA 1:100 - 1:2000, Immunocytochemistry/ Immunofluorescence 2 ug/mL
Application Notes	Despite its predicted molecular weight, Integrin alpha 4 will often run at higher molecular weight in SDS-PAGE.

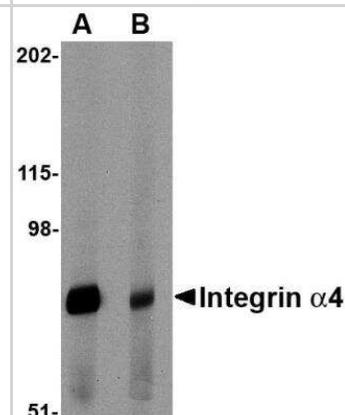


Images

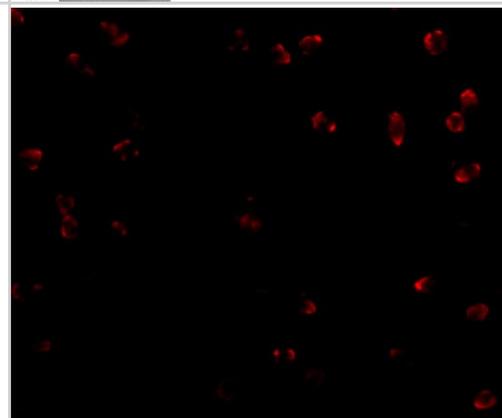
Western Blot: Integrin alpha 4/CD49d Antibody [NBP1-77333] - Western blot analysis of ISE6 (Tick, *Ixodes scapularis*, cell line) lysate. WB image submitted by a verified customer review.



Western Blot: Integrin alpha 4/CD49d Antibody [NBP1-77333] - Rat spleen tissue lysate with Integrin alpha 4 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry/ Immunofluorescence: Integrin alpha 4/CD49d Antibody - BSA Free [NBP1-77333] - Immunofluorescence of Integrin alpha 4 in Jurkat cells with Integrin alpha 4 antibody at 2 ug/mL.



Publications

Hight-Warburton W, Felix R, Burton A et al. ?4/?9 Integrins Coordinate Epithelial Cell Migration Through Local Suppression of MAP Kinase Signaling Pathways *Frontiers in Cell and Developmental Biology* 2021-11-25 [PMID: 34900996] (Immunocytochemistry/ Immunofluorescence)

Zhao, L;Wang, Z;Tan, Y;Ma, J;Huang, W;Zhang, X;Jin, C;Zhang, T;Liu, W;Yang, YG; IL-17A/CEBP?/OPN/LYVE-1 axis inhibits anti-tumor immunity by promoting tumor-associated tissue-resident macrophages *Cell reports* 2024-12-05 [PMID: 39643970]

Asai M, Koike Y, Kuwatsuka Y et al. Multifaceted array-based keloidal gene expression profiling reveals specific MDF1 upregulation in keloid lesions *Clinical and experimental dermatology* 2021-04-26 [PMID: 33899950]

Genbacev O, Larocque N, Ona K et al. Integrin a4-positive human trophoblast progenitors: functional characterization and transcriptional regulation. *Hum. Reprod.* 2016-06-01 [PMID: 27083540] (ICC/IF)

Garrido-Gomez T, Ona K, Kapidzic M et al. Severe pre-eclampsia is associated with alterations in cytotrophoblasts of the smooth chorion. *Development.* 2017-03-01 [PMID: 28232601] (ICC/IF, Human)



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Products Related to NBP1-77333

NBP1-77333PEP	Integrin alpha 4/CD49d Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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