

Product Datasheet

Integrin beta 1/CD29 Antibody (TS2/16) NB100-77779

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-77779

Integrin beta 1/CD29 Antibody (TS2/16)

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	TS2/16
Preservative	0.09% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)
Product Description	
Host	Mouse
Gene ID	3688
Gene Symbol	ITGB1
Species	Human, Mouse, Canine
Reactivity Notes	Canine reactivity reported in scientific literature (PMID: 7698991). Expected cross reactivity based on sequence identity: Bovine, Equine. Use in Mouse reported in scientific publication PMID: 32573489
Marker	Stem Cell Marker
Immunogen	The immunogen was the full length version of the protein: CD29 (TS2/16)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot, Flow Cytometry 0.5 ug/10 ⁶ cells in 100 ul, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation, Immunohistochemistry-Frozen
Application Notes	Additional reported applications (for the relevant formats) include: immunoprecipitation, immunohistochemical staining of acetone-fixed frozen tissue sections, and activation of integrin beta 1. Immunohistochemistry-Frozen and Immunoprecipitation were reported in scientific literature. Use in WB reported in scientific publication PMID: 32573489

Publications

Schweitzer KS, Jinawath N, Yonescu R et al. IGSF3 mutation identified in patient with severe COPD alters cell function and motility JCI Insight 2020-06-23 [PMID: 32573489] (IP, WB, Mouse)

Weber C, Alon R, Moser B, Springer TA. Sequential regulation of alpha4beta1 and alpha5beta1 integrin avidity by CC chemokines in monocytes: implications for transendothelial chemotaxis. J Cell Biol. [PMID: 8769427] (Func, Func)

Details:

Citation using the FITC form of this antibody.

Weber C, Alon R, Moser B, Springer TA. Sequential regulation of alpha4beta1 and alpha5beta1 integrin avidity by CC chemokines in monocytes: implications for transendothelial chemotaxis J Cell Biol (Func)

Details:

This publication used the FITC conjugated form of this antibody (Cat# NBP1-99998).

Sanchez-Madrid F, Krensky AM, Ware CF et al. Three distinct antigens associated with human T-lymphocyte-mediated cytolysis: LFA-1, LFA-2, and LFA-3 Proc Natl Acad Sci USA (Func, IP)

Details:

This publication used the FITC conjugated form of this antibody (Cat# NBP1-99998).

Sanchez-Madrid F, Krensky AM, Ware CF et al. Three distinct antigens associated with human T-lymphocyte-mediated cytolysis: LFA-1, LFA-2, and LFA-3 Proc Natl Acad Sci USA [PMID: 6984191] (IP, Func)

Details:

Used the FITC form of this antibody.

Doyle AD, Carvajal N, Jin A et al. Local 3D matrix microenvironment regulates cell migration through spatiotemporal dynamics of contractility-dependent adhesions. Nat Commun. 2015-11-09 [PMID: 26548801] (Human)

Zhang X et al. Am J Physiol Cell Physiol. 301:1017. 2011-01-01 [PMID: 21795522]

Pillozzi S et al. Blood 117:902. 2011-01-01 [PMID: 21048156]

Conway RE et al. Mol. Cell. Biol. 26:5310. 2006-01-01 [PMID: 16809768]

Frank NY, Margaryan A, Huang Y et al. ABCB5-mediated doxorubicin transport and chemoresistance in human malignant melanoma. Cancer Res 2005-05-15 [PMID: 15899824] (IHC-Fr)

Porter JC Hogg N. J. Cell Biol. 138:1437. 1997-01-01 [PMID: 9298996]

Sanchez-Aparicio P et al. J. Cell Biol. 126:271. 1994-01-01 [PMID: 7517944]

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Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-
techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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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