

Product Datasheet

Endoglin/CD105 Antibody (MJ7/18) - Chimeric - Azide and BSA Free NBP2-81085-0.2mg

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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NBP2-81085-0.2mg

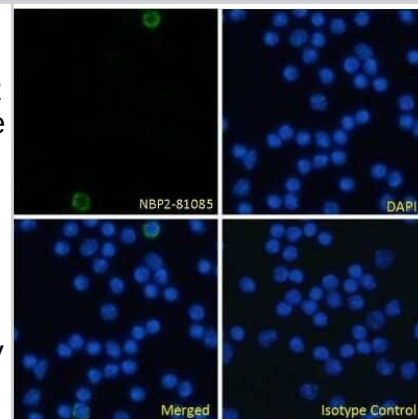
Endoglin/CD105 Antibody (MJ7/18) - Chimeric - Azide and BSA Free

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	MJ7/18
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Rabbit Endoglin/CD105 Antibody (MJ7/18) - Chimeric - Azide and BSA Free (NBP2-81085) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2022
Gene Symbol	ENG
Species	Mouse
Specificity/Sensitivity	MJ7/18 binds specifically to mouse Endoglin/CD105. Endoglin/CD105 is a homodimer expressed by vascular endothelial cells. Endoglin/CD105 functions in adhesion and embryonic angiogenesis. Endoglin/CD105 is a major homodimeric glycoprotein of vascular endothelium involved in cell adhesion through integrin/RGD binding and the regulation of angiogenesis. Also acts as TGF-beta coreceptor and is involved in the TGF-beta/BMP signaling cascade. Endoglin/CD105 is also required for GDF2/BMP9 signaling through SMAD1 in endothelial cells.
Immunogen	MJ7/18 was prepared by immunizing rats with inflamed mouse skin tissue. The antibody was selected immunohistologically for reactivity with endothelial cells.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques. MJ7/18 can be used for FC, WB, IP and IHC (Baluk P, et al. 2003. Am. J. Pathol. 163:1801).



Images

Immunocytochemistry/Immunofluorescence: Endoglin/CD105 Antibody (MJ7/18) - Chimeric [NBP2-81085] - Immunofluorescence staining of fixed mouse splenocytes with Endoglin/CD105 Antibody (MJ7/18) [NBP2-81085]. Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes on Shi-fix coverslips, permeabilized with 0.15% Triton and stained with the chimeric rabbit IgG version of MJ7/18 [NBP2-81085] at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/ml), showing membrane staining in a small subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP2-81085, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.



**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

Products Related to NBP2-81085-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP1-91212PEP	Endoglin/CD105 Recombinant Protein Antigen
DVE00	VEGF [HRP]

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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