

# Product Datasheet

## Endoglin/CD105 Antibody (MJ7/18) - Azide and BSA Free NBP2-80718

Unit Size: 0.5 mg

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

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Updated 8/21/2023 v.20.1

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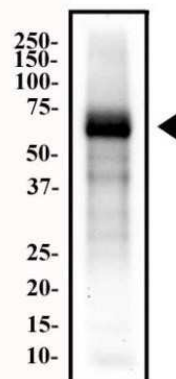
**NBP2-80718**

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

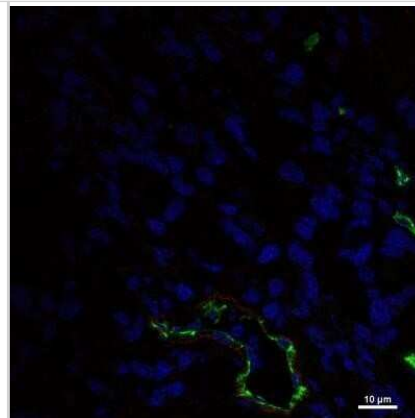
Product Information	
Unit Size	0.5 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MJ7/18
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	Tris-Glycine
Product Description	
Host	Rat
Gene ID	2022
Gene Symbol	ENG
Species	Mouse
Immunogen	Inflamed mouse skin
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10-1:500, Flow (Cell Surface)
Application Notes	For immunofluorescent staining, the suggested use of this reagent is: 0.5 microgram per one million cells in 100 microliter volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Images**

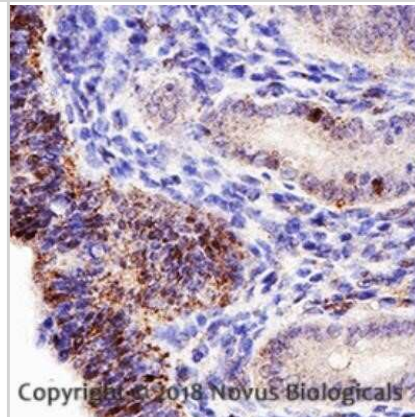
Western Blot: Endoglin/CD105 Antibody (MJ7/18) - Azide and BSA Free [NBP2-80718] - Total protein from mouse placenta was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocking in 5% non-fat milk in TBST. The membrane was probed with 2 ug/ml anti-CD105 (NB100-77666) in 1% milk/TBST and detected with an anti-rat HRP conjugated secondary antibody using chemiluminescence. Image from the standard format of this antibody.



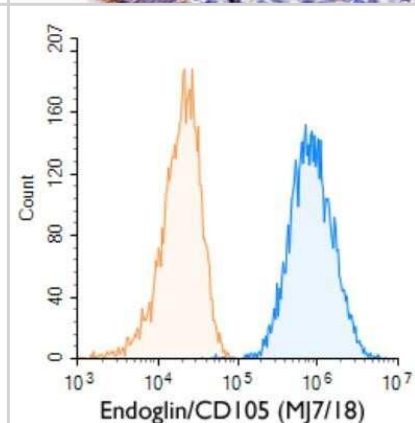
Immunocytochemistry/Immunofluorescence: Endoglin/CD105 Antibody (MJ7/18) - Azide and BSA Free [NBP2-80718] - Using the DyLight 550 direct conjugate Staining of CD105 (endoglin) in 4T1 tumors after radioimmunotherapy shows CD105 expression (red), blood vessels (green), and nuclei (blue).



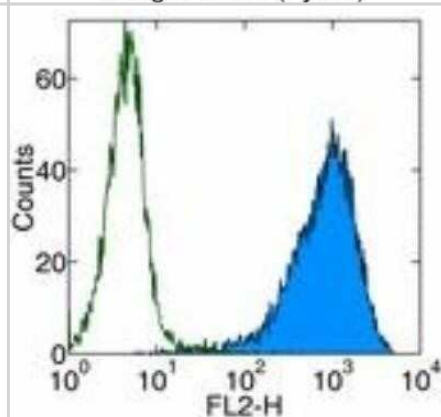
Immunohistochemistry-Paraffin: Endoglin/CD105 Antibody (MJ7/18) - Azide and BSA Free [NBP2-80718] - Analysis of a FFPE mouse ductus deference using a 1:50 dilution of CD105 antibody (clone MJ7/18) on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0)



Flow (Cell Surface): Endoglin/CD105 Antibody (MJ7/18) - Azide and BSA Free [NBP2-80718] - A surface stain was performed on MS-1 Cells with Endoglin/CD105 (MJ7/18) antibody NB100-77666 (blue) and a matched isotype control (orange). Cells were incubated in an antibody dilution of 1 ug/mL for 20 minutes at room temperature, followed by rat F(ab)2 IgG (H+L) APC-conjugated secondary antibody (F0113, R&D Systems). Image from the standard format of this antibody.



Flow Cytometry: Endoglin/CD105 Antibody (MJ7/18) - Azide and BSA Free [NBP2-80718] - Analysis of Biotin conjugate of NB100-77666. Surface staining of bEND.3 cell line with 0.25 ug of Anti-Mouse CD105 (Endoglin) Biotin followed by Streptavidin PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.





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### **Products Related to NBP2-80718**

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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP1-43321-0.5mg	Rat IgG2a Kappa Light Chain Isotype Control (R2a)
NBP1-91212PEP	Endoglin/CD105 Recombinant Protein Antigen

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### **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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