

# Product Datasheet

## Endoglin/CD105 Antibody (MJ7/18) [Janelia Fluor® 525] NBP2-81085JF525

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-81085JF525**

Endoglin/CD105 Antibody (MJ7/18) [Janelia Fluor® 525]

| Product Information |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| Unit Size           | 0.1 ml                                                                                      |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.                                                                    |
| Clonality           | Monoclonal                                                                                  |
| Clone               | MJ7/18                                                                                      |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG Kappa                                                                                   |
| Conjugate           | Janelia Fluor 525                                                                           |
| Purity              | Protein A purified                                                                          |
| Buffer              | 50mM Sodium Borate                                                                          |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                                                                                                                                                                                                                                                                                                                        |
| Notes                   | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Product Application Details |                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                                           |



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**Products Related to NBP2-81085JF525**

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|               |                                            |
|---------------|--------------------------------------------|
| NBP1-91212PEP | Endoglin/CD105 Recombinant Protein Antigen |
| DVE00         | VEGF [HRP]                                 |
| DNDG00        | Endoglin/CD105 [HRP]                       |
| AF3628        | CD31/PECAM-1 Antibody [Unconjugated]       |

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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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