

# Product Datasheet

## Endoglin/CD105 Antibody (MJ7/18) [DyLight 755] NBP2-81085IR

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-81085IR**

Endoglin/CD105 Antibody (MJ7/18) [DyLight 755]

| 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                   | DyLight 755                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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                       | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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 NBP2-81085IR**

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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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