

# Product Datasheet

## CD31/PECAM-1 Antibody (rPECAM1/8829) [DyLight 755] NBP3-23988IR

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-23988IR**

CD31/PECAM-1 Antibody (rPECAM1/8829) [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               | rPECAM1/8829                                                                                |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG1 Kappa                                                                                  |
| Conjugate           | DyLight 755                                                                                 |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | 50mM Sodium Borate                                                                          |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene ID                 | 5175                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Symbol             | PECAM1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Marker                  | Endothelial Cell Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity/Sensitivity | Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. CD31 monoclonal antibody reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining. The level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression may imply a rapidly growing tumor and potentially a predictor of tumor recurrence. |
| Immunogen               | Recombinant fragment (around aa 625-738) of human CD31/PECAM-1 protein (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                                                  |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Product Application Details |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| Applications                | Immunohistochemistry-Paraffin                                          |
| Recommended Dilutions       | Immunohistochemistry-Paraffin                                          |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP3-23988IR**

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|                    |                                                             |
|--------------------|-------------------------------------------------------------|
| NBP1-43319IR-0.5ml | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 755] |
| NBP2-54655PEP      | CD31/PECAM-1 Recombinant Protein Antigen                    |
| 210-TA-005         | TNF-alpha [Unconjugated]                                    |
| 3628-PC-050        | CD31/PECAM-1 [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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