

# Product Datasheet

## **CD31/PECAM-1 Antibody (rPECAM1/8829) [mFluor Violet 450 SE] NBP3-23988MFV450**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-23988MFV450**

CD31/PECAM-1 Antibody (rPECAM1/8829) [mFluor Violet 450 SE]

**Product Information**

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 0.1 ml                                                                                      |
| <b>Concentration</b> | Please see the vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C in the dark.                                                                    |
| <b>Clonality</b>     | Monoclonal                                                                                  |
| <b>Clone</b>         | rPECAM1/8829                                                                                |
| <b>Preservative</b>  | 0.05% Sodium Azide                                                                          |
| <b>Isotype</b>       | IgG1 Kappa                                                                                  |
| <b>Conjugate</b>     | mFluor Violet 450 SE                                                                        |
| <b>Purity</b>        | Protein A or G purified                                                                     |
| <b>Buffer</b>        | 50mM Sodium Borate                                                                          |

**Product Description**

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene ID</b>                 | 5175                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Symbol</b>             | PECAM1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Marker</b>                  | Endothelial Cell Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Specificity/Sensitivity</b> | 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. |
| <b>Immunogen</b>               | Recombinant fragment (around aa 625-738) of human CD31/PECAM-1 protein (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Notes</b>                   | mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.                                                                                                                                                                                                                                                                   |

**Product Application Details**

|                              |                                                                        |
|------------------------------|------------------------------------------------------------------------|
| <b>Applications</b>          | Immunohistochemistry-Paraffin                                          |
| <b>Recommended Dilutions</b> | Immunohistochemistry-Paraffin                                          |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP3-23988MFV450**

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|               |                                          |
|---------------|------------------------------------------|
| NBP2-54655PEP | CD31/PECAM-1 Recombinant Protein Antigen |
| 210-TA-005    | TNF-alpha [Unconjugated]                 |
| 3628-PC-050   | CD31/PECAM-1 [Unconjugated]              |
| 233-FB-025    | FGF basic/FGF2/bFGF [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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