

# Product Datasheet

## CD31/PECAM-1 Antibody (C31/9224R) [Biotin] NBP3-24197B

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-24197B**

CD31/PECAM-1 Antibody (C31/9224R) [Biotin]

| 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                       | C31/9224R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preservative                | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Isotype                     | IgG Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Conjugate                   | Biotin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity                      | Protein A or G purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Buffer                      | PBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Host                        | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 538-738) of human CD31/PECAM-1 protein (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 NBP3-24197B**

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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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