

# Product Datasheet

## CD31/PECAM-1 Antibody (1A10) - IHC-Prediluted NBP2-48329

Unit Size: 7 ml

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-48329](http://www.novusbio.com/NBP2-48329)

Updated 2/9/2023 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-48329](http://www.novusbio.com/reviews/destination/NBP2-48329)



**NBP2-48329**

CD31/PECAM-1 Antibody (1A10) - IHC-Prediluted

**Product Information**

|                                |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 7 ml   |
| <b>Concentration</b>           | This product is unpurified. The exact concentration of antibody is not quantifiable. |
| <b>Storage</b>                 | Store at 4C.   |
| <b>Clonality</b>               | Monoclonal   |
| <b>Clone</b>                   | 1A10   |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG1 Kappa   |
| <b>Purity</b>                  | Tissue culture supernatant   |
| <b>Buffer</b>                  | Tissue culture supernatant   |
| <b>Target Molecular Weight</b> | 82.5 kDa   |

**Product Description**

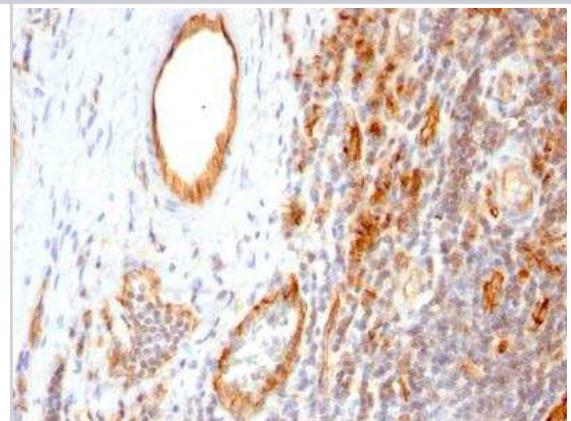
|                                |  |
|--------------------------------|--|
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 5175   |
| <b>Gene Symbol</b>             | PECAM1   |
| <b>Species</b>                 | Human  |
| <b>Marker</b>                  | Endothelial Cell Marker  |
| <b>Specificity/Sensitivity</b> | CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules. CD31 is expressed by stem cells of the hematopoietic system and is primarily used to identify and concentrate these cells for experimental studies as well as for bone marrow transplantation. 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>               | Prokaryotic recombinant fusion protein corresponding to a portion of the extracellular domain downstream of the signal sequence of the CD31/PECAM-1 (Uniprot: P16284)  |
| <b>Notes</b>                   | The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.  |

**Product Application Details**

|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b> | Immunohistochemistry 1:50-1:100, Immunohistochemistry-Paraffin 1:50-1:100   |
| <b>Application Notes</b>     | Visualization of the antigen present in tissue sections is accomplished in a multi-step immunohistochemical staining process, in conjunction with a horseradish peroxidase (HRP) or alkaline phosphatase (AP) linked detection system. Positive control: Tonsil. The 7ML size is a pre-diluted size and no additional dilutions are required before using this item for the intended application. |

## Images

Immunohistochemistry-Paraffin: CD31/PECAM-1 Antibody (1A10) - IHC-Prediluted [NBP2-48329] - Formalin-fixed, paraffin-embedded human Tonsil.





## Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

## Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

## Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

## General Contact Information

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

## 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-48329](http://www.novusbio.com/reviews/submit/NBP2-48329)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)