

# Product Datasheet

## CD31/PECAM-1 Antibody (MEC13.3) [Alexa Fluor® 647] NB600-1475AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB600-1475AF647**

CD31/PECAM-1 Antibody (MEC13.3) [Alexa Fluor® 647]

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	MEC13.3
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Conjugate	Alexa Fluor 647
Purity	Protein G purified
Buffer	50mM Sodium Borate
Target Molecular Weight	82.5 kDa
Product Description	
Host	Rat
Gene ID	5175
Gene Symbol	PECAM1
Species	Human, Mouse
Reactivity Notes	Mouse (PMID: 7956830) and Human (PMID: 30626719) reactivity reported in scientific literature.
Immunogen	This CD31/PECAM-1 Antibody (MEC13.3) was developed against mouse endothelial cell line T-end.
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a> . 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	
Applications	Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, In vitro assay, In vivo assay, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Frozen, In vitro assay, In vivo assay, Flow (Cell Surface), CyTOF-ready

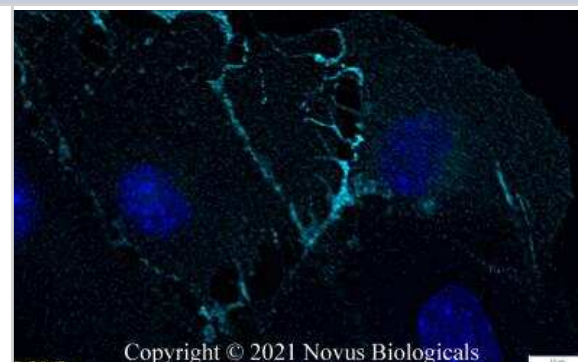


**Application Notes**

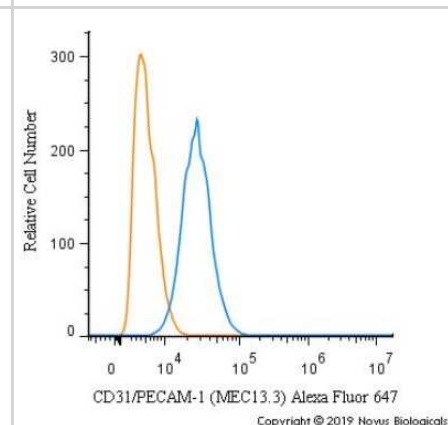
Optimal dilution of this antibody should be experimentally determined.

**Images**

**Immunocytochemistry/Immunofluorescence:** CD31/PECAM-1 Antibody (MEC13.3) [Alexa Fluor® 647] [NB600-1475AF647] - Mouse MS1 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with CD31/PECAM-1 Antibody [MEC13.3] conjugated to Alexa Fluor 647 (NB600-1475AF647) at 5 ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



**Flow Cytometry:** CD31/PECAM-1 Antibody (MEC13.3) [Alexa Fluor® 647] [NB600-1475AF647] - A surface stain was performed on MS-1 cells with CD31/PECAM-1 Antibody (MEC13.3) [Alexa Fluor(R) 647] (NB600-1475AF647, blue) and a matched isotype control (orange). Cells were incubated in an antibody dilution of 5 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.

**Publications**

Ribieras AJ, Ortiz YY, Li Y et al. E-Selectin/AAV2/2 Gene Therapy Alters Angiogenesis and Inflammatory Gene Profiles in Mouse Gangrene Model *Frontiers in cardiovascular medicine* 2022-06-16 [PMID: 35783833] (IHC-P, Mouse)

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**Products Related to NB600-1475AF647**

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NBP1-51104AF647	Rat IgG2a Isotype Control (KLH/G2a-1-1) [Alexa Fluor® 647]
NB600-1475AF700	CD31/PECAM-1 Antibody (MEC13.3) [Alexa Fluor® 700]
NBP2-54655PEP	CD31/PECAM-1 Recombinant Protein Antigen
210-TA-005	TNF-alpha [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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