

# Product Datasheet

## CD31/PECAM-1 Antibody [HRP] NBP1-71663H

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-71663H****CD31/PECAM-1 Antibody [HRP]**

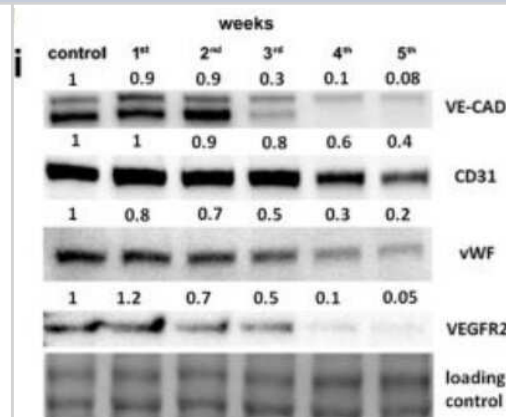
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Conjugate</b>	HRP
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	82.5 kDa

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	5175
<b>Gene Symbol</b>	PECAM1
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	This CD31/PECAM-1 Antibody was developed against a genomic peptide made to an internal region of human CD31/PECAM1 (within residues 100-300) [Swiss-Prot P16284].

Product Application Details	
<b>Applications</b>	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.

**Images**

Western Blot: CD31/PECAM-1 Antibody [HRP] [NBP1-71663H] - Snail and EndMT-related protein expression in lungs in orthotopic murine 4T1 breast cancer model. ag Expression of Snail (see Methods). Levels of CD31/PECAM-1 determined by western blot analysis in pooled (n = 6) samples in control and 4T1 breast cancer-bearing mice from the 1st to 5th week after 4T1 cancer cell inoculation (see Methods). Results presented as fold change vs control sample corresponding to healthy mice. Total protein after transfer was used as loading control Image collected and cropped by Citeab from the following publication (Nitric oxide deficiency and endothelial-mesenchymal transition of pulmonary endothelium in the progression of 4T1 metastatic breast cancer in mice. *Breast Cancer Res* (2018) licensed under a CC-BY license.



## Publications

Smeda M, Jaształ A, Maleki EH et al. Endothelial-mesenchymal transition induced by metastatic 4T1 breast cancer cells in pulmonary endothelium in aged mice *Frontiers in Molecular Biosciences* 2022-11-24 [PMID: 36504711] (In vivo assay)

Smeda M, Kieronska A, et al. Dual antiplatelet therapy with clopidogrel and aspirin increases mortality in 4T1 metastatic breast cancer-bearing mice by inducing vascular mimicry in primary tumour. *Oncotarget* 2018-04-03 [PMID: 29707148] (WB, Mouse)

Smeda M, Kieronska A, et al. Nitric oxide deficiency and endothelial-mesenchymal transition of pulmonary endothelium in the progression of 4T1 metastatic breast cancer in mice. *Breast Cancer Res* 2018-08-03 [PMID: 30075800] (WB, Mouse)





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### **Products Related to NBP1-71663H**

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NBP2-24891H	Rabbit IgG Isotype Control [HRP]
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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