

# Product Datasheet

## CD31/PECAM-1 Antibody (LCI-4) - BSA Free NB100-65336-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 2

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**NB100-65336-0.1mg**

CD31/PECAM-1 Antibody (LCI-4) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	LCI-4
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	82.5 kDa

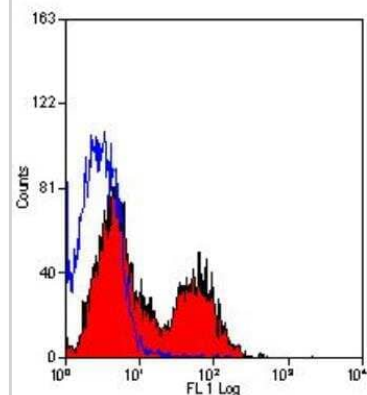
Product Description	
Description	Novus Biologicals Mouse CD31/PECAM-1 Antibody (LCI-4) - BSA Free (NB100-65336) is a monoclonal antibody validated for use in IHC, Flow and IP. Anti-CD31/PECAM-1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5175
Gene Symbol	PECAM1
Species	Porcine
Reactivity Notes	Predicted cross-reactivities: Human
Immunogen	Porcine CD31/human IgGFc fusion protein

Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1:50-1:100, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	Clone LCI4 has been shown to stimulate tyrosine phosphorylation of CD31 on endothelial cells. For Flow Cytometry use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells or 100ul whole blood. This antibody does not work in Western Blotting.



## Images

Flow Cytometry: CD31/PECAM1 Antibody (LCI-4) [NB100-65336] - Staining of porcine peripheral blood lymphocytes.



## Publications

Chen Y, Gao P, Huang L et al. A tough nitric oxide-eluting hydrogel coating suppresses neointimal hyperplasia on vascular stent *Nature communications* 2021-12-06 [PMID: 34873173] (Immunohistochemistry, Porcine)

Tefft BJ, Uthamaraj S, Harbuzariu A, Harburn J. Nanoparticle mediated cell capture enables rapid endothelialization of a novel bare metal stent. *Tissue Eng Part A*. 2018-02-12 [PMID: 29431053] (IF/IHC, Porcine)



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### **Products Related to NB100-65336-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB100-65336APC	CD31/PECAM-1 Antibody (LCI-4) [Allophycocyanin]

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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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