

Product Datasheet

CD31/PECAM-1 Antibody (MEC 7.46) - Azide and BSA Free NBP2-80639

Unit Size: 0.1 ml

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

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NBP2-80639

CD31/PECAM-1 Antibody (MEC 7.46) - Azide and BSA Free

Product Information

| | |
|--------------------------------|--|
| Unit Size | 0.1 ml |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | MEC 7.46 |
| Preservative | No Preservative |
| Isotype | IgG1 |
| Purity | Protein G purified |
| Buffer | Tris-Glycine, 0.15 M NaCl |
| Target Molecular Weight | 82.5 kDa |

Product Description

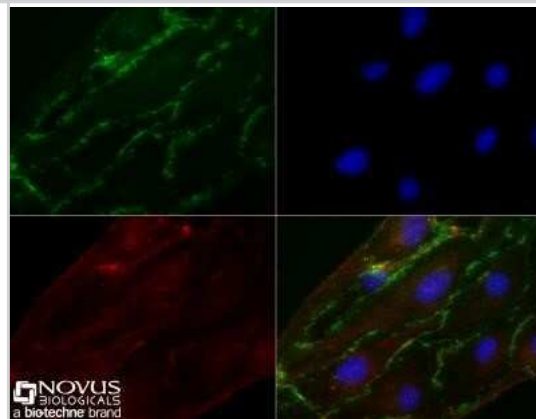
| | |
|--------------------|---|
| Host | Rat |
| Gene ID | 5175 |
| Gene Symbol | PECAM1 |
| Species | Mouse |
| Immunogen | This CD31/PECAM-1 Antibody (MEC 7.46) - Azide and BSA Free was developed against mouse endothelial cell line T-end. |

Product Application Details

| | |
|------------------------------|---|
| Applications | Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, In vivo assay, Immunoprecipitation |
| Recommended Dilutions | Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:100-1:500, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500. Use reported in scientific literature (PMID 25525387), Immunohistochemistry-Frozen 1:100-1:500, In vivo assay reported in scientific literature (PMID 10544206), Flow (Cell Surface) |

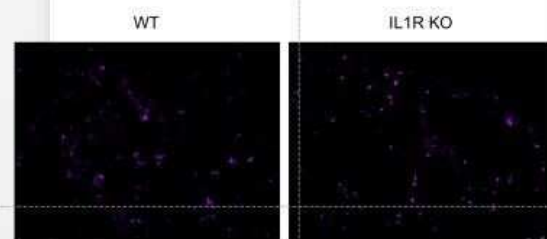
Images

Immunocytochemistry/Immunofluorescence: CD31/PECAM-1 Antibody (MEC 7.46) - Azide and BSA Free [NBP2-80639] - MS1 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with CD31/PECAM-1 Antibody (MEC 7.46) at 5.0 ug/ml overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.

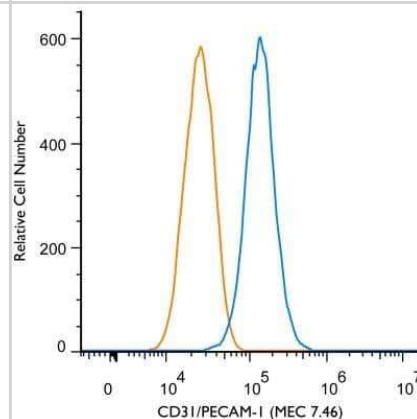


Immunohistochemistry: CD31/PECAM-1 Antibody (MEC 7.46) - Azide and BSA Free [NBP2-80639] - Frozen mouse lung tissues of WT B6 and IL1R^{-/-} (knockout) mice were blocked with 1% BSA in PBS and were double stained with Alex647-conjugated CD31/PECAM-1 antibody (MEC 7.46) and PE-conjugated F4/80 for 2 hours at the room temperature. Image using the A

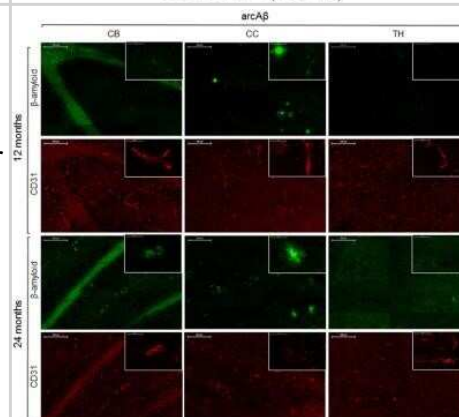
CD31* Staining in Mouse Lung Tissues



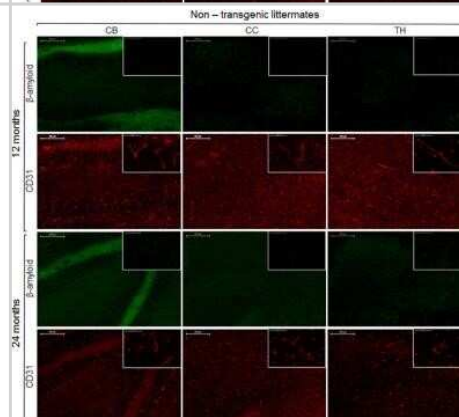
Flow (Cell Surface): CD31/PECAM-1 Antibody (MEC 7.46) - Azide and BSA Free [NBP2-80639] - A surface stain was performed on MS-1 Cells with CD31/PECAM-1 Antibody (MEC 7.46) NB100-1642 (blue) and a matched isotype control (orange). Cells were incubated in an antibody dilution of 2.5 ug/mL for 20 minutes at room temperature, followed by rat F(ab)2 IgG (H+L) APC-conjugated secondary antibody (F0113, R&D Systems). Image from the standard format of this antibody.



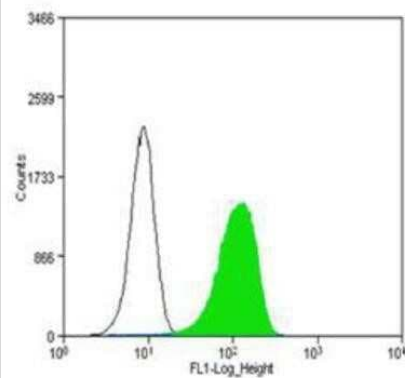
Immunohistochemistry: CD31/PECAM-1 Antibody (MEC 7.46) - Azide and BSA Free [NBP2-80639] - Immunohistochemistry for vessel staining (CD31) and beta-amyloid comparing 13- and 24-month old arcAβ mice. Overviews (scale bars = 200 um) of the corpus callosum (CC), thalamus (TH), and cerebellum (CB). Insets show the regions with higher magnificati



Immunohistochemistry: CD31/PECAM-1 Antibody (MEC 7.46) - Azide and BSA Free [NBP2-80639] - Immunohistochemistry for vessel staining (CD31/PECAM-1) and beta-amyloid comparing 13- and 24-month old non-transgenic littermates. Overviews (scale bars = 200 um) of the corpus callosum (CC), thalamus (TH), and cerebellum (CB). Insets show the regions wi



Flow Cytometry: CD31/PECAM-1 Antibody (MEC 7.46) - Azide and BSA Free [NBP2-80639] - CD31/PECAM-1 Antibody (MEC 7.46) was tested at 1:250 in WEHI-3 cells with DyLight 488 (green) alongside a matched isotype control (black). Image from the standard format of this antibody.





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Products Related to NBP2-80639

| | |
|---------------|---|
| HAF005 | Goat anti-Rat IgG Secondary Antibody [HRP] |
| NBP1-75398 | Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed) |
| DDXCR01 | Rat IgG1 Isotype Control |
| NBP2-54655PEP | CD31/PECAM-1 Recombinant Protein Antigen |

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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