

CD31 (PECAM-1) Monoclonal Antibody (390), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	390
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466420

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	56 Publications
Immunocytochemistry (ICC)	-	1 Publication
Immunofluorescence (IF)	-	16 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunohistochemistry (IHC)	-	9 Publications
Miscellaneous PubMed (Misc)	-	3 Publications
Western Blot (WB)	-	1 Publication

Product Specific Information

Description: The 390 monoclonal antibody reacts with mouse CD31, also known as platelet-endothelial cell adhesion molecule-1 (PECAM-1) and gpIIa. This 130-140 kDa surface protein is expressed by endothelial cells and at low levels on all leukocytes and platelets. It has been reported that CD38 binds to CD31. Homotypic interaction of CD31 is important in adhesion, cell-cell and cell-matrix interaction, and signal transduction.

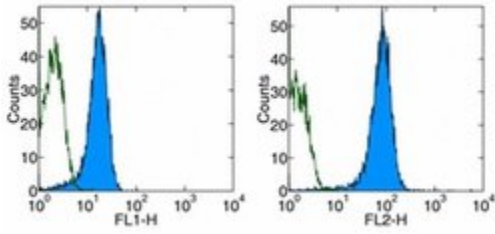
Applications Reported: The 390 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 390 antibody has been tested by flow cytometric analysis of mouse thymocytes and splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is

recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD31 (PECAM-1) Monoclonal Antibody (390), Biotin, eBioscience™



CD31 (PECAM-1) Antibody (13-0311-82) in Flow

Surface staining of mouse splenocytes with Anti-Mouse CD31 (PECAM-1) FITC (left), and PE (right). Autofluorescence is shown via open histogram. Total viable cells were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Flow Cytometry (56)

Communications biology

Proliferative heterogeneity of murine epithelial cells in the adult mammary gland.

"13-0311 was used in Flow cytometry/Cell sorting to characterise the proliferative changes within the reproductive cycle in the mammalian mammary gland."

Authors: Shehata M,Waterhouse PD,Casey AE,Fang H,Hazelwood L,Khokha R

Species
Mouse

Dilution
Not Cited

Year
2020

Cellular and molecular gastroenterology and hepatology

Indian Hedgehog Suppresses a Stromal Cell-Driven Intestinal Immune Response.

"Published figure using CD31 (PECAM-1) monoclonal antibody (Product # 13-0311-82) in Flow Cytometry"

Authors: Westendorp BF,Büller NVJA,Karpus ON,van Dop WA,Koster J,Versteeg R,Koelink PJ,Snel CY,Meisner S, Roelofs JJTH,Uhmann A,Ver Loren van Themaat E,Heijmans J,Hahn H,Muncan V,Wildenberg ME,van den Brink GR

Species
Not Applicable

Dilution
Not Cited

Year
2019

[View more Flow references on thermofisher.com](#)

Immunofluorescence (16)

Journal of clinical and translational research

Platelet aggregation but not activation and degranulation during the acute post-ischemic reperfusion phase in livers with no underlying disease.

"Published figure using CD31 (PECAM-1) monoclonal antibody (Product # 13-0311-82) in Immunofluorescence"

Authors: van Golen RF,Stevens KM,Colarusso P,Jaeschke H,Heger M

Species
Not Applicable

Dilution
Not Cited

Year
2019

PloS one

Leukemia Inhibitory Factor Enhances Endogenous Cardiomyocyte Regeneration after Myocardial Infarction.

"Published figure using CD31 (PECAM-1) monoclonal antibody (Product # 13-0311-82) in Immunofluorescence"

Authors: Kanda M,Nagai T,Takahashi T,Liu ML,Kondou N,Naito AT,Akazawa H,Sashida G,Iwama A,Komuro I, Kobayashi Y

Species
Not Applicable

Dilution
Not Cited

Year
2017

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More applications with references on thermofisher.com

Misc (3) IHC (9) WB (1) IHC (F) (2) ICC (1)

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