

Endomucin Monoclonal Antibody (eBioV.7C7 (V.7C7)), Alexa Fluor 488, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Alexa Fluor 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioV.7C7 (V.7C7)
Conjugate	Alexa Fluor® 488
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_2802332

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	1.0 µg/test	1 Publication

Product Specific Information

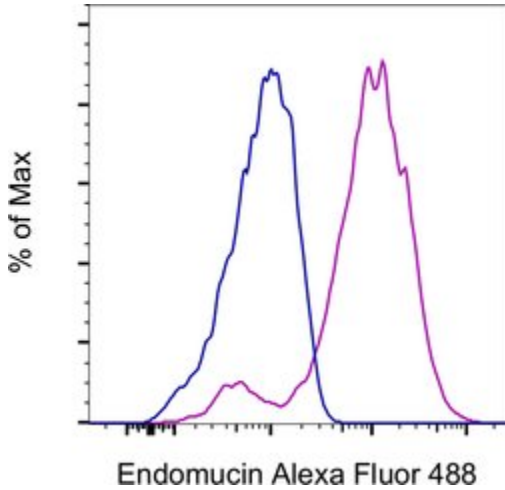
Description: The eBioV.7C7 monoclonal antibody reacts with mouse endomucin, which was identified in a search for cell-surface expressed endothelial cell markers. Endomucin is a 75 kDa type I integral membrane protein, with similarities to the sialomucin family of proteins including extensive O-linked glycosylation. Endomucin is expressed on endothelial cells, however, an exception is the high endothelial venules (HEV) of secondary lymphoid organs. In addition, it has been demonstrated that endomucin is expressed on CD34-c-Kit+Sca-1+Lin- hematopoietic progenitors, and that these cells are capable of multi-lineage long-term reconstitution of the hematopoietic compartment.

Applications Reported: This eBioV.7C7 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioV.7C7 antibody has been tested by flow cytometric analysis of bEnd.3 cells. This may be used at less than or equal to 1.0 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.

Excitation: 488 nm; **Emission:** 519 nm; **Laser:** Blue Laser

Product Images For Endomucin Monoclonal Antibody (eBioV.7C7 (V.7C7)), Alexa Fluor 488, eBioscience™



Endomucin Antibody (53-5851-82) in Flow

bEnd3 cells were stained with 0.5 µg of Rat IgG2a kappa Isotype Control, Alexa Fluor 488 (Product # 53-4321-80) (blue histogram) or 0.5 µg of Endomucin Monoclonal Antibody, Alexa Fluor 488 (purple histogram). Total viable cells were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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

5 References

Immunohistochemistry (3)

Nature communications

Indispensable role of Galectin-3 in promoting quiescence of hematopoietic stem cells.

"Published figure using Endomucin monoclonal antibody (Product # 53-5851-82) in Immunohistochemistry"

Authors: Jia W, Kong L, Kidoya H, Naito H, Muramatsu F, Hayashi Y, Hsieh HY, Yamakawa D, Hsu DK, Liu FT, Takakura N

Species
Not Applicable

Dilution
Not Cited

Year
2021

Development (Cambridge, England)

YAP and TAZ maintain PROX1 expression in the developing lymphatic and lymphovenous valves in response to VEGF-C signaling.

"Published figure using Endomucin monoclonal antibody (Product # 53-5851-82) in Immunohistochemistry"

Authors: Cha B, Ho YC, Geng X, Mahamud MR, Chen L, Kim Y, Choi D, Kim TH, Randolph GJ, Cao X, Chen H, Srinivasan RS

Species
Not Applicable

Dilution
Not Cited

Year
2020

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

Immunocytochemistry (1)

eLife

Vascular dimorphism ensured by regulated proteoglycan dynamics favors rapid umbilical artery closure at birth.

"Published figure using Endomucin monoclonal antibody (Product # 53-5851-82) in Immunocytochemistry"

Authors: Nandadasa S, Szafron JM, Pathak V, Murtada SI, Kraft CM, O'Donnell A, Norvik C, Hughes C, Catterson B, Domowicz MS, Schwartz NB, Tran-Lundmark K, Veigl M, Sedwick D, Philipson EH, Humphrey JD, Apte SS

Species
Not Applicable

Dilution
Not Cited

Year
2020

Flow Cytometry (1)

The bone & joint journal

Vascular endothelial growth factor pathway promotes osseointegration and CD31^{hi}EMCN^{hi} endothelium expansion in a mouse tibial implant model: an animal study.

"Published figure using Endomucin monoclonal antibody (Product # 53-5851-82) in Flow Cytometry"

Authors: Ji G, Xu R, Niu Y, Li N, Ivashkiv L, Bostrom MPG, Greenblatt MB, Yang X

Species
Not Applicable

Dilution
Not Cited

Year
2019

More applications with references on thermofisher.com

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