

Endomucin Monoclonal Antibody (eBioV.7C7 (V.7C7)), eFluor 660, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), eFluor 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioV.7C7 (V.7C7)
Conjugate	eFluor® 660
Form	Liquid
Concentration	0.2 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_11220465

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	15 Publications
Immunocytochemistry (ICC/IF)	-	3 Publications
Flow Cytometry (Flow)	1 µg/test	3 Publications

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 (V.7C7) antibody has been reported for use in flow cytometric analysis.

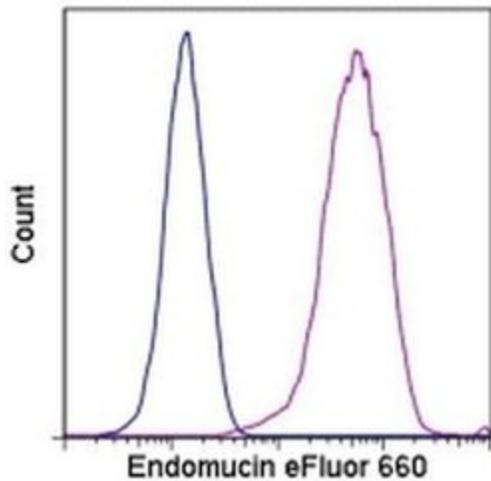
Applications Tested: This eBioV.7C7 (V.7C7) antibody has been tested by flow cytometric analysis of bEnd.3 cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be 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.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 668 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Endomucin Monoclonal Antibody (eBioV.7C7 (V.7C7)), eFluor 660, eBioscience™



Endomucin Antibody (50-5851-82) in Flow

Staining of bEnd-3 cells with 0.5 µg of Rat IgG2a K Isotype Control eFluor® 660 (Product # 50-4321-82) (blue histogram) or 0.5 µg of Anti-Mouse Endomucin eFluor® 660 (purple histogram). Total viable cells were used for analysis.

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

21 References

Immunohistochemistry (15)

Nature communications

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

"Published figure using Endomucin monoclonal antibody (Product # 50-5851-82) 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 # 50-5851-82) 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 (3)

eLife

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

"Published figure using Endomucin monoclonal antibody (Product # 50-5851-82) in Immunocytochemistry"

Authors: Nandadasa S,Szafron JM,Pathak V,Murtada SI,Kraft CM,O'Donnell A,Norvik C,Hughes C,Caterson 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

eLife

Primary cilia deficiency in neural crest cells models anterior segment dysgenesis in mouse.

"Published figure using Endomucin monoclonal antibody (Product # 50-5851-82) in Immunocytochemistry"

Authors: Portal C,Rompolas P,Lwigale P,Iomini C

Species
Not Applicable

Dilution
Not Cited

Year
2019

[View more ICC/IF references on thermofisher.com](#)

More applications with references on thermofisher.com

Flow (3)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.