

Galectin 3 Monoclonal Antibody (eBioM3/38 (M3/38)), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Hamster, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioM3/38 (M3/38)
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_842792

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.06 µg/test	4 Publications

Product Specific Information

Description: The eBioM3/38 antibody reacts with mouse Galectin-3 (Mac-2). Galectins are a family of animal lectins which appear to exhibit a variety of biological functions. Galectin 3 (aka LGALS3, galactose-specific soluble lectin 3, Mac-2, L-29) is one of the more extensively studied members of this family and is a 30 kDa beta-galactoside-binding protein. Due to a C-terminal carbohydrate binding site, Galectin 3 is capable of binding IgE and mammalian cell surfaces only when homodimerized or homo-oligomerized. Galectin 3 is normally distributed in epithelia of many organs and various inflammatory cells, including macrophages, as well as dendritic cells and Kupffer cells. The expression of this lectin is up-regulated during inflammation, cell proliferation, cell differentiation and through trans-activation by viral proteins.

This monoclonal antibody eBioM3/38 crossreacts to human Galectin-3 (LGALS3).

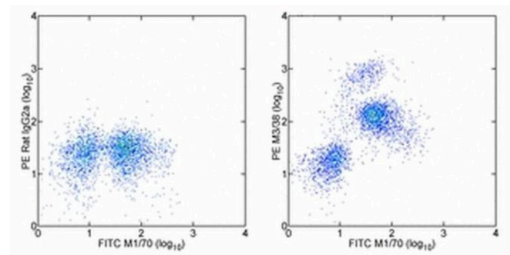
Applications Reported: This eBioM3/38 (M3/38) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioM3/38 (M3/38) antibody has been tested by flow cytometric analysis of mouse thioglycolate-elicited peritoneal macrophages. This can be used at less than or equal to 0.06 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: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Galectin 3 Monoclonal Antibody (eBioM3/38 (M3/38)), PE, eBioscience™



Galectin 3 Antibody (12-5301-82) in Flow
Staining of C57BL/6 bone marrow cells with Anti-Mouse CD11b FITC (Product # 11-0112-41) and Rat IgG2a K Isotype Control PE (Product # 12-4321-80) (left) or 0.03 µg of Anti-Human/Mouse Galectin-3 PE (right). Total viable cells were used for analysis.

[View more figures on thermofisher.com](#)

Immunocytochemistry (1)

Cell reports	Year 2022
Endocytic membrane repair by ESCRT-III controls antigen export to the cytosol during antigen cross-presentation.	Species Mouse
"12-5301-82 was used in Immunohistochemistry-immunofluorescence to demonstrate that membrane repair proves crucial in containing antigen export to the cytosol and cross-presentation in cDCs."	Dilution 1:1000
Authors: Gros M,Segura E,Rookhuizen DC,Baudon B,Heurtebise-Chrétien S,Burgdorf N,Maurin M,Kapp EA,Simpson RJ,Kozik P,Villadangos JA,Bertrand MJM,Burbage M,Amigorena S	

Flow Cytometry (4)

Frontiers in immunology	Year 2023
Development of a Syrian hamster anti-PD-L1 monoclonal antibody enables oncolytic adenoviral immunotherapy modelling in an immunocompetent virus replication permissive setting.	Species Hamster
"12-5301-82 was used in Flow cytometry/Cell sorting to develop an anti-Syrian hamster PD-L1 mAb to enable the evaluation of safety and efficacy, when combining anti-PD-L1 with an oncolytic adenovirus encoding tumour necrosis factor alpha (TNF) and interleukin-2 (IL-2) (Ad5/3-E2F-D24-hTNF-IRES-hIL-2 or TILT-123)."	
Authors: Clubb JHA,Kudling TV,Giry M,Haybout L,Pakola S,Hamdan F,Cervera-Carrascon V,Hemmes A,Grönberg-Vähä-Koskela S,Santos JM,Quixabeira DCA,Basnet S,Heiniö C,Arias V,Jirovec E,Kaptan S,Havunen R,Sorsa S,Erikat A,Schwartz J,Anttila M,Aro K,Viitala T,Vattulainen I,Cerullo V,Kanerva A,Hemminki A	

Cell death & disease	Year 2016
Cell surface galectin-3 defines a subset of chemoresistant gastrointestinal tumor-initiating cancer cells with heightened stem cell characteristics.	Species Human
"Published figure using Galectin 3 monoclonal antibody (Product # 12-5301-82) in Flow Cytometry"	
Authors: Ilmer M,Mazurek N,Byrd JC,Ramirez K,Hafley M,Alt E,Vykoukal J,Bresalier RS	

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

More applications with references on thermofisher.com

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.