

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

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Human, Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioM3/38 (M3/38)
Conjugate	Biotin
Form	Liquid
Concentration	0.5 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_837113

Applications	Tested Dilution	Publications
Western Blot (WB)	-	4 Publications
Immunohistochemistry (IHC)	-	15 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	3 Publications
Flow Cytometry (Flow)	0.25 µg/test	3 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.

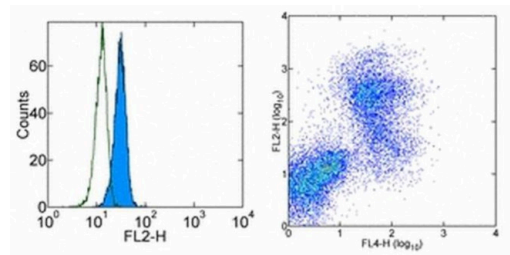
Applications Tested: This eBioM3/38 (M3/38) antibody has been tested by intracellular staining and flow cytometric analysis. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number 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.

Staining can be done using Foxp3 buffers (cat. 00-5523) or IC Fixation Buffers (cat. 88-8823).

Filtration: 0.2 µm post-manufacturing filtered.

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



Galectin 3 Antibody (13-5301-82) in Flow
Intracellular staining of the monocyte population in normal human peripheral blood cells (right) or C57BL/6 mouse bone marrow cells (left) with Anti-Mouse CD11b APC (Product # 17-0112-82) and 0.125 µg of Anti-Human/Mouse Galectin-3 Biotin followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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Western Blot (4)

Porto biomedical journal	Year 2022
Xanthohumol and 8-prenylnaringenin reduce type 2 diabetes-associated oxidative stress by downregulating galectin-3.	
"Published figure using Galectin 3 monoclonal antibody (Product # 13-5301-82) in Western Blot"	
Authors: Luís C,Costa R,Rodrigues I,Castela Â,Coelho P,Guerreiro S,Gomes J,Reis C,Soares R	
American journal of physiology. Endocrinology and metabolism	Year 2018
Myeloid-specific deletion of Zfp36 protects against insulin resistance and fatty liver in diet-induced obese mice.	
"Published figure using Galectin 3 monoclonal antibody (Product # 13-5301-82) in Western Blot"	
Authors: Caracciolo V,Young J,Gonzales D,Ni Y,Flowers SJ,Summer R,Waldman SA,Kim JK,Jung DY,Noh HL,Kim T,Blackshear PJ,O'Connell D,Bauer RC,Kallen CB	

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

Immunohistochemistry (15)

Frontiers in cellular neuroscience	Year 2023
Alpha1-antitrypsin protects the immature mouse brain following hypoxic-ischemic injury.	
"Published figure using Galectin 3 monoclonal antibody (Product # 13-5301-82) in Immunohistochemistry"	
Authors: Zhang S,Li W,Xu Y,Li T,Ek J,Zhang X,Wang Y,Song J,Zhu C,Wang X	
Porto biomedical journal	Year 2022
Xanthohumol and 8-prenylnaringenin reduce type 2 diabetes-associated oxidative stress by downregulating galectin-3.	
"Published figure using Galectin 3 monoclonal antibody (Product # 13-5301-82) in Western Blot"	
Authors: Luís C,Costa R,Rodrigues I,Castela Â,Coelho P,Guerreiro S,Gomes J,Reis C,Soares R	

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

More applications with references on thermofisher.com

- IHC (PFA) (1)
- ICC/IF (3)
- Flow (3)

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