

**Purified anti-mouse/human Mac-2 (Galectin-3)**

**Catalog # / Size:** 1227005 / 50 µg  
1227010 / 500 µg

**Clone:** M3/38

**Isotype:** Rat IgG2a, κ

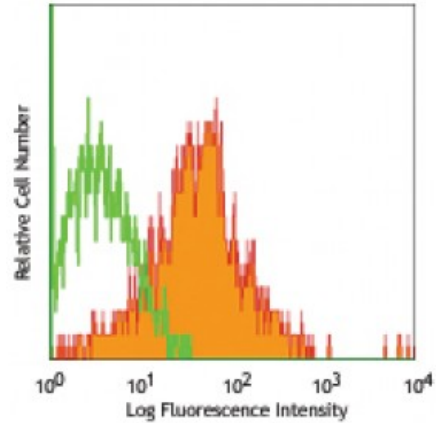
**Immunogen:** Raised against galectin-3 of mouse origin

**Reactivity:** Human, Mouse

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5



BALB/c peritoneal macrophages stained with M3/38 purified, followed by anti-rat IgG FITC

**Applications:**

**Applications:** Other

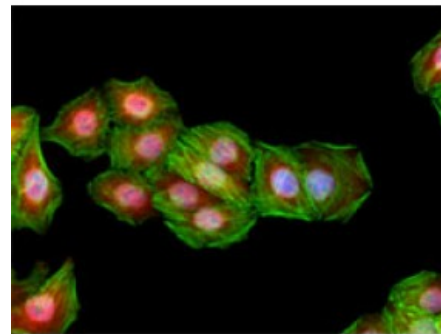
**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 microg per 10<sup>6</sup> cells in 100 microL volume or 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunohistochemical staining of paraffin-embedded tissue sections<sup>3-6</sup>, Western blotting<sup>2</sup>, immunoprecipitation<sup>1,2</sup>, immunofluorescence<sup>7,8</sup>, and ELISA<sup>9</sup>.

Clone M3/38 has been reported to recognize residues 48-100 in the amino-terminal domain of galectin-3.<sup>7</sup>

**Application References:**

1. Ho MK. and Springer TA. 1982. *J. Immunol.* 128:1221. (FC, IP)
2. Rosenberg I, et al. 1991. *J. Biol. Chem.* 266:18731. (WB, IP)
3. Evans CE, et al. 2010. *Arterioscler Vasc Biol.* (IHC) [PubMed](#)
4. Jacob N, et al. 2011. *J. Immunol.* 186:4984. (IHC) [PubMed](#)
5. Li X, et al. 2011. *Am J Physiol Heart Circ Physiol.* 301:1932. (IHC) [PubMed](#)
6. Chao C, et al. 2012. *Clin Cancer Res.* 18:4702. (IHC) [PubMed](#)
7. Melo FH, et al. 2011. *PLoS One.* 6:e29313. (IF)
8. Usategui A, et al. 2013. *Ann Rheum Dis.* 72:2018. [PubMed](#) (IF)
9. Mey A, et al. 1996. *J. Immunol.* 156:1572. (ELISA)
10. Reales E, et al. 2015. *J Cell Sci.* 128:2261. [PubMed](#)



HeLa cells were stained with purified anti-Galectin 3 (M3/38) antibody, followed by staining with DyLight™ 594 conjugated goat anti-mouse IgG (red) antibody. Actin filaments were labeled in green. Nuclei were stained with DAPI (blue).

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**Description:** Galectins, a family of carbohydrate binding proteins (lectins) have been implicated in inflammation and cancer. All galectins bind lactose and other  $\beta$ -galactosides but differ in their affinity for more complex saccharides.

**Antigen** 1. Ho MK. and Springer TA. 1982. *J. Immunol.* 128:1221.  
**References:** 2. Rosenberg I, *et al.* 1991. *J. Biol. Chem.* 266:18731.