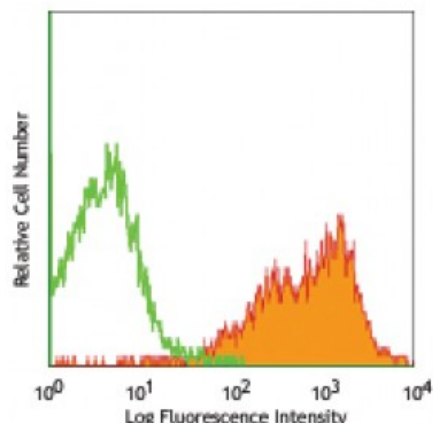


PE anti-mouse/human Mac-2 (Galectin-3)

Catalog # / Size: 1227025 / 50 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, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.2



BALB/c peritoneal macrophages stained with M3/38 PE

Applications:

Applications: Flow Cytometry

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 10⁶ cells in 100 microL volume. 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 sections³⁻⁶, Western blotting², immunoprecipitation^{1,2}, immunofluorescence^{7,8}, and ELISA⁹.

Clone M3/38 has been reported to recognize residues 48-100 in the amino-terminal domain of galectin-3.⁷

- 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.* [PubMed](#) (IF)
 9. Mey A, et al. 1996. *J. Immunol.* 156:1572. (ELISA)

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

Antigen References:

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