

Product Data Sheet

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

Catalog # / Size: 125403 / 50 µg
125404 / 500 µg

Clone: M3/38

Isotype: Rat IgG2a, κ

Immunogen: Raised against galectin-3 of mouse origin

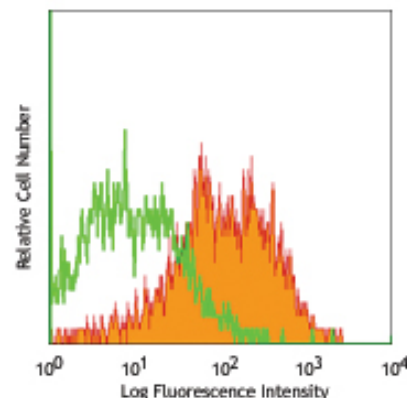
Reactivity: Mouse, Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

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

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



BALB/c peritoneal macrophages stained with M3/38 biotin, followed by Sav-PE

Applications:

Applications: FC - *Quality tested*
IHC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: 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.
2. Rosenberg I, *et al.* 1991. *J. Biol. Chem.* 266:18731.
3. Evans CE, *et al.* 2010. *Arterioscler Vasc Biol.* PubMed
4. Jacob N, *et al.* 2011. *J. Immunol.* 186:4984. PubMed
5. Li X, *et al.* 2011. *Am J Physiol Heart Circ Physiol.* 301:1932. PubMed
6. Chao C, *et al.* 2012. *Clin Cancer Res.* 18:4702. PubMed
7. Melo FH, *et al.* 2011. *PLoS One.* 6:e29313.

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 References:

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

Related Products:

Product
Biotin Rat IgG2a, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)
TruStain fcX™ (anti-mouse CD16/32)

Clone
RTK2758

93

Application
FC, ICFC
FC, ICC, ICFC
FC, ICFC
FC



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