

Product Data Sheet

Alexa Fluor® 647 anti-mouse/human Mac-2 (Galectin-3)

Catalog # / Size: 125407 / 25 µg
125408 / 100 µg

Clone: M3/38

Isotype: Rat IgG2a, κ

Immunogen: Raised against galectin-3 of mouse origin

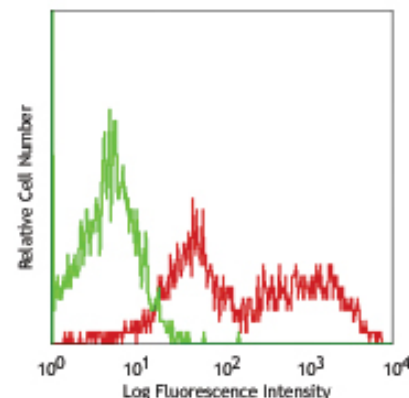
Reactivity: Mouse, Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

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 and protected from prolonged exposure to light. **Do not freeze.**



Thioglycolate-elicited BALB/c mouse peritoneal macrophages stained with M3/38 Alexa Fluor® 647

Applications:

Applications: FC - Quality tested

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 ≤0.06 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

** Alexa Fluor® 647 is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 647 dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

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
 Alexa Fluor® 647 Rat IgG2a, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 TruStain fcX™ (anti-mouse CD16/32)

Clone
 RTK2758

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



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