SONY

Product Data Sheet

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

Catalog # / Size: 1227100 / 100 µg
1227095 / 25 µg

Clone: M3/38

Isotype: Rat IgG2a, κ

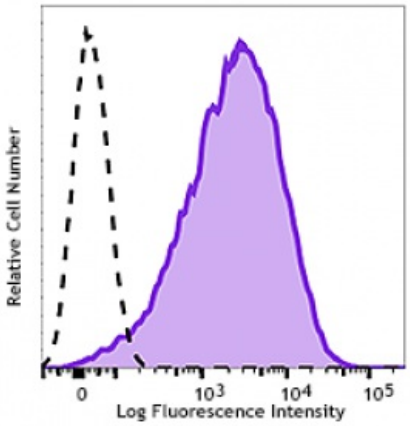
Immunogen: Raised against galectin-3 of mouse origin

Reactivity: Human,Mouse

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

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

Concentration: 0.2 mg/ml



Thioglycolate-elicited BALB/c mouse peritoneal macrophages were stained with Mac-2 antibody (clone M3/38) APC (filled histogram) or rat IgG2a, κ APC isotype control (open histogram).

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 µg per million cells in 100 µl 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 sections[3-6], Western blotting[2], immunoprecipitation[1,2], immunofluorescence[7,8], and ELISA[9].

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.

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.

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