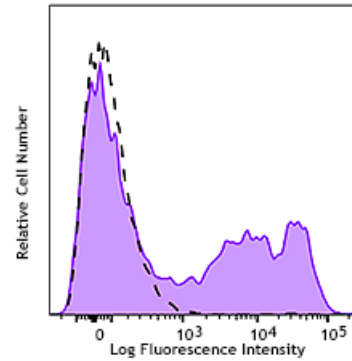


PE/Cyanine7 anti-rat IgM

Catalog # / 2644570 / 100 µg
Size: 2644565 / 25 µg
Clone: MRM-47
Isotype: Mouse IgG
Immunogen: Mixed rat Igs
Reactivity: Rat
Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number: V-CD28.05
Concentration: 0.2 mg/mL



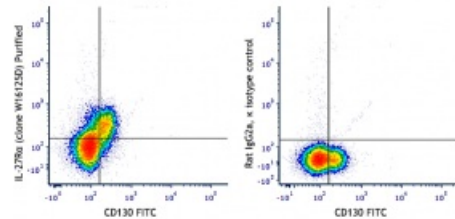
Rat splenocytes were stained with rat IgM (clone MRM-47) PE/Cyanine7 (filled histogram), or mouse IgG isotype control (open histogram).

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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Mouse NOS2 has two isoforms: Isoform A is 130 kD and isoform B is 118 kD. This clone recognizes isoform B better than A in the tested cell.



C57BL/6 mouse frozen intestine section was fixed with 4% paraformaldehyde (PFA) for 10 minutes at room temperature and blocked with 5% FBS for 30 minutes at room temperature. Then the section was stained with 10 µg/mL of anti-mouse CD45 (clone S18009D) Alexa Fluor® 647 (red) and anti-mouse/human CD324 (clone DECMA-1) Alexa Fluor® 594 (green) overnight at 4°C. Nuclei were counterstained with DAPI (blue). The image was captured by 10X objective.

Application References: 1. Verjan Garcia N, *et al.* 2011. *J. Immunol.* 187:2268. (WB, IF)

Description: The MRM-47 monoclonal antibody reacts with rat immunoglobulin M (IgM) in all tested rat strains (Lou, Lou/Ws1/M, Lewis, Wistar, DA, Sprague-Dawley). It does not react with other isotypes. The MRM-47 antibody can be used as a primary or secondary reagent for ELISA or immunofluorescent analysis.

**Antigen
References:**

1. Romani N, *et al.* 2012. *Curr. Top. Microbiol. Immunol.* 351:113.
2. Kaplan DH. 2010. *Trends Immunol.* 31:446.
3. Clausen BE and Kel JM. 2010. *Immunol. Cell. Biol.* 88:351.
4. Merad M, *et al.* 2008. *Nat. Rev. Immunol.* 8:935.