

Purified anti-rat CD47

Catalog # / Size: 204101 / 100 µg

Clone: OX-101

Isotype: Mouse IgG1, κ

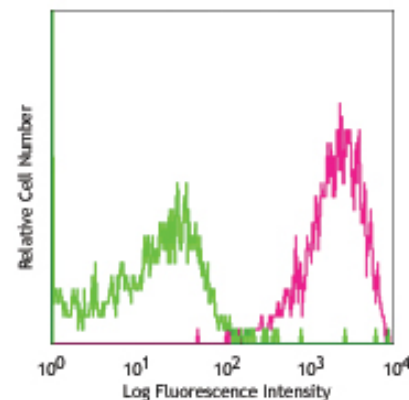
Reactivity: Rat CD47

Preparation: The antibody was purified by affinity chromatography.

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.



LOU rat splenocytes stained with OX-101 purified, followed by anti-mouse IgG PE

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 ≤ 0.25 µg per 10^6 cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. DeVries HE, *et al.* 2002. *J. Immunol.* 168:5832.

Description: CD47, also known as Integrin-Associated Protein (IAP), is a membrane protein of about 50 kD with an IgV-like extracellular domain, a five membrane-spanning segment, and a short terminal cytoplasmic region. It is widely expressed on many cell types and often associated with beta 3 integrins. The significance of this molecule is recently drawing increasing attention. It has been reported that CD47 functions as a self marker. Red cells lacking CD47 were rapidly cleared from the bloodstream by splenic macrophages. By binding to SIRP α , CD47 controls hemostatic innate immune functions, such as phagocytosis and cell trafficking.

Antigen References: 1. Vernon-Wilson, *et al.* 2000. *Eur. J. Immunol.* 30:2130.
2. Brown E, *et al.* 1990. *J. Cell. Biol.* 111:2785.
3. Mawby WJ, *et al.* 1994. *Biochem. J.* 304:525.

Related Products: Product

Purified Mouse IgG1, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone
MOPC-21

Application
FC, ICFC, ICC, IF, IHC, IP, WB
FC, ICC, ICFC
FC, ICFC



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