

Biotin anti-rat CD53

Catalog # / Size: 204303 / 100 µg

Clone: OX-44

Isotype: Mouse IgG1, κ

Immunogen: Rat T cell blasts

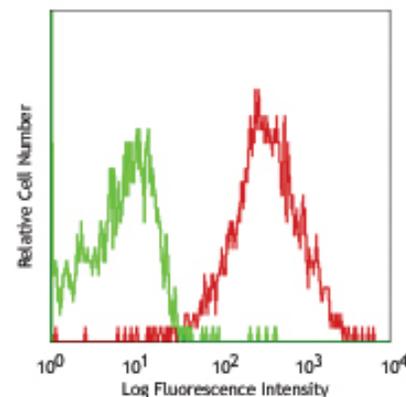
Reactivity: Rat

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.**



LOU rat splenocytes stained with OX-44 biotin, followed by Sav-PE

Applications:

Applications: FC - *Quality tested*
IHC, IP, IF - *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: Additional reported applications (for the relevant formats) include: immunoprecipitation, immunofluorescence microscopy, immunohistochemical staining for formalin-fixed paraffin-embedded tissue sections, and induction of cell adhesion.

Application References: 1. Lazo PA, *et al.* 1997. *Cellular Immunol.* 178:132

Description: CD53 is a 35-45 kD type III tetraspan membrane protein. It is expressed on all leukocytes and a subset of thymocytes, but not on platelets, erythrocytes, or non-hematopoietic cells. CD53 has been proposed to be involved in signal transduction and thymopoiesis. It has been shown to interact with a number of proteins, including IL-4, CD20, CD2, CD9, IL-2, VLA-4, and CD4. Cross-linking of CD53 promotes B cell activation. The CD53 antigen is highly glycosylated and treatment with endoglycosidase F reduces the apparent molecular weight of this protein by approximately 25kD.

Antigen References: 1. Lazo PA, *et al.* 1997. *Cellular Immunol.* 178:132

Related Products:

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

Clone
MOPC-21

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



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