

Biotin anti-rat CD45RA

Catalog # / Size: 202303 / 100 µg

Clone: OX-33

Isotype: Mouse IgG1, κ

Immunogen: Leukocyte common antigen purified from rat splenocytes

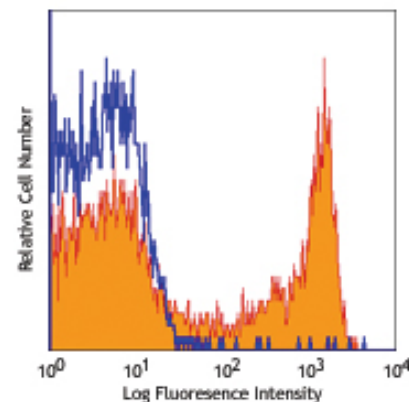
Reactivity: Rat

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 and 0.5% BSA (origin U.S.)

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



LOU rat splenocytes stained with biotinylated OX-33, followed by Sav-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 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: immunohistochemistry of acetone-fixed frozen sections¹.

Application References: 1. Smith T, *et al.* 2000. *Nature Med.* 6:62. (IHC)

Description: CD45 is a protein tyrosine phosphatase with multiple isoforms differing as a result of alternative splicing of the extracellular domain and glycosylation. CD45 is expressed on all hematopoietic cells except erythrocytes and platelets. CD45RA is one of the CD45 isoforms with the molecular weight of 200-220 kD. It is expressed almost exclusively on B cells. CD45 functions in signal transduction through T and B cell antigen receptors. CD45 has been shown to interact with various proteins, including galectin-1, CD2, CD3, and CD4.

Antigen References: 1. Sunderland CA, *et al.* 1979. *Eur. J. Immunol.* 9:155.
2. Woollett GR, *et al.* 1985. *Eur. J. Immunol.* 15:168.

Related Products:

Product
Biotin Mouse IgG1, κ Isotype Ctrl
APC Streptavidin
HRP Streptavidin
PE Streptavidin
PE/Cy5 Streptavidin
Cell Staining Buffer

Clone
MOPC-21

Application
FC, ICFC
FC, ICFC
ELISA, ELISPOT, IHC, WB
FC, ICFC
FC, ICFC
FC, ICC, ICFC



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.