

Product Data Sheet

APC anti-rat CD45RA

Catalog # / Size: 202313 / 25 µg
202314 / 100 µg

Clone: OX-33

Isotype: Mouse IgG1, κ

Immunogen: Leukocyte common antigen purified from rat splenocytes

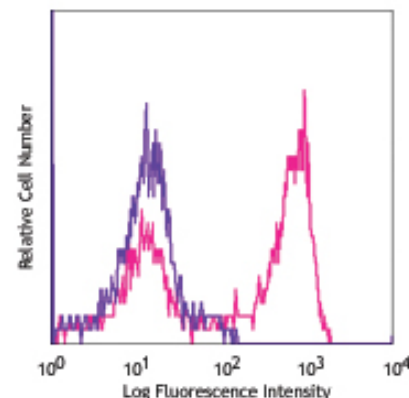
Reactivity: Rat

Preparation: The antibody was purified by affinity chromatography and conjugated with 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

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



LOU rat splenocytes stained with OX-33 APC

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. Woolett GR, *et al.* 1985. *Eur. J. Immunol.* 15:168.

Related Products:

Product
APC 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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