

Purified Anti-Rat CD45 Antibody[OX-1]

catalog number: E-AB-F1227A

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

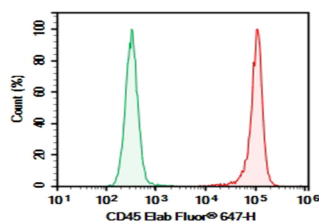
Reactivity	Rat
Immunogen	Recombinant Rat CD45 protein
Host	Mouse
Isotype	Mouse IgG1, κ
Clone	OX-1
Purification	>98%, Protein A/G purified
Conjugation	Unconjugated
Buffer	PBS, pH 7.2. Contains 0.05% Proclin300.

Applications

Recommended Dilution

FCM	2 $\mu\text{g/mL}$ (0.5×10^6 - 1×10^6 cells)
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Data



Rat splenocytes were stained with 0.2 μg Purified Anti-Rat CD45 Antibody[OX-1] (Right) and 0.2 μg Mouse IgG1, κ

Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Mouse IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

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 a 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.