

Purified Anti-Rat CD45RA Antibody[OX-33]

catalog number: E-AB-F1306A

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

Description

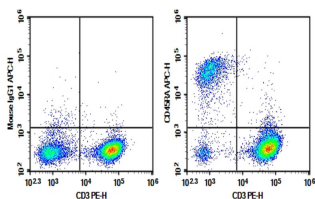
| | |
|---------------------|---|
| Reactivity | Rat |
| Immunogen | Recombinant Rat CD45RA protein |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone | OX-33 |
| Purification | >98%, Protein A/G purified |
| Buffer | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling. |

Applications

Recommended Dilution

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| FCM | 2 µg/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 CD45RA Antibody[OX-33] (Right) and 0.2 µg Mouse IgG1, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody, then anti-Rat CD3 PE-conjugated Monoclonal Antibody.

Preparation & Storage

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| 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.

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