

## Purified Anti-Rat CD45RA Antibody[OX-33]

catalog number: E-AB-F1306A

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

### Description

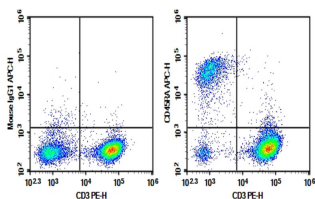
<b>Reactivity</b>	Rat
<b>Immunogen</b>	Recombinant Rat CD45RA protein
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Clone</b>	OX-33
<b>Purification</b>	>98%, Protein A/G purified
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely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

### Applications

### Recommended Dilution

**FCM**  $\leq 0.2 \mu\text{g}$  per million cells in 100  $\mu\text{L}$  volume

### Data



Rat splenocytes were stained with 0.2  $\mu\text{g}$  Purified Anti-Rat CD45RA Antibody[OX-33] (Right) and 0.2  $\mu\text{g}$  Mouse IgG1,  $\kappa$  Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody, then anti-Rat CD3 PE-conjugated Monoclonal Antibody.

### Preparation & Storage

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