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# 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

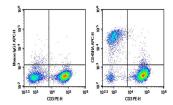
**Buffer** Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.

Dialyze to completely remove the stabilizer prior to labeling.

# Applications Recommended Dilution

**FCM** 2  $\mu$ g/mL(0.5×10<sup>6</sup>-1×10<sup>6</sup> cells)

#### 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 PEconjugated Monoclonal 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.

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 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web: www.elabscience.com
 Email: techsupport@elabscience.com
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