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## Purified Anti-Rat CD44H Antibody[OX-49]

catalog number: E-AB-F1225A

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

#### **Description**

Reactivity Rat

Immunogen Recombinant Rat CD44H protein

Host Mouse

**Isotype** Mouse IgG2a, κ

Clone OX-49

**Purification** >98%, Protein A/G purified

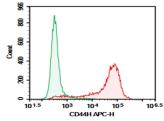
**Buffer** Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.

Dialyze to completely remove the stabilizer prior to labeling.

# Applications Recommended Dilution

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

#### Data



Rat splenocytes were stained with 0.2 µg Purified Anti-Rat CD44H Antibody[OX-49] (Right) and 0.2 µg Mouse IgG2a, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

### Preparation & Storage

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**

The OX-49 antibody reacts with the glycoprotein CD44H (also known as CD44s) expressed on most leukocytes, except for a subset of B lymphocytes, and at greatly increased levels on T- and B-cell blasts. The epitope recognized by OX-49 antibody has been mapped to a region on both the standard, CD44s, and the splice variant, CD44v, isoforms of CD44. However, recent reports indicate that OX-49 antibody cannot detect the CD44v isoform, possibly due to conformational changes in the epitope. CD44 is a cell adhesion receptor, and its ligand, hyaluronate, is a common component of extracellular matrices.

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