# APC/Cyanine7 Rabbit anti-Mouse CD44 mAb

ABclonal

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Catalog No.: A27519

## **Basic Information**

#### **Observed MW**

**Calculated MW** 

85kDa

Category

Primary antibody

**Applications** 

FC

**Cross-Reactivity** 

Mouse

CloneNo number

ARC63783

Conjugate

APC-Cy7. Ex:651nm. Em:779nm.

# **Background**

Enables hyaluronic acid binding activity and type II transforming growth factor beta receptor binding activity. Contributes to cytokine binding activity and cytokine receptor activity. Involved in several processes, including negative regulation of T cell activation; positive regulation of protein phosphorylation; and regulation of intracellular signal transduction. Acts upstream of or within several processes, including Wnt signaling pathway; morphogenesis of a branching epithelium; and wound healing involved in inflammatory response. Located in basolateral plasma membrane; external side of plasma membrane; and microvillus. Part of macrophage migration inhibitory factor receptor complex. Is expressed in several structures, including alimentary system; branchial arch; central nervous system; genitourinary system; and limb. Human ortholog(s) of this gene implicated in breast carcinoma (multiple); carcinoma (multiple); and prostate cancer. Orthologous to human CD44 (CD44 molecule (Indian blood group)).

## **Recommended Dilutions**

FC

5  $\mu$ l per 10^6 cells in 100  $\mu$ l volume

# Immunogen Information

**Gene ID** 12505

Swiss Prot

P15379

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

Ly-24; Pgp-1; HERMES

## **Contact**

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## **Product Information**

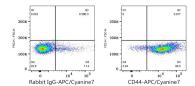
SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

# **Validation Data**







Flow cytometry:  $1\times10^6$  C57BL/6 mouse splenocytes were surface-stained with APC/Cyanine7 Rabbit IgG isotype control (5  $\mu$ I/Test,left) or APC/Cyanine7 Rabbit anti-Mouse CD44 mAb (A27519,5  $\mu$ I/Test,right).

Flow cytometry:1X10^6 C57BL/6 mouse splenocytes were surface-stained with FITC Anti-Mouse CD62L (L-Selectin) mAb (A23340,0.25  $\mu$ g) and APC/Cyanine7 Rabbit IgG isotype control (5  $\mu$ l/Test,left) or APC/Cyanine7 Rabbit anti-Mouse CD44 mAb (A27519,5  $\mu$ l/Test,right).