# CD44 Rabbit mAb

Catalog No.: A24605 Recombinant



# **Basic Information**

### **Observed MW**

86kDa

#### **Calculated MW**

86kDa

### Category

Primary antibody

### **Applications**

WB,IF/ICC,FC,ELISA

#### **Cross-Reactivity**

Mouse

#### CloneNo number

ARC63783

# **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**

**WB** 1:1000 - 1:2000

**IF/ICC** 1:200 - 1:800

FC 1:500-1:1000

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

# 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; CD44

## **Contact**

	400-999-6126
<b>×</b>	cn.market@abclonal.com.cn
	www.abclonal.com.cn

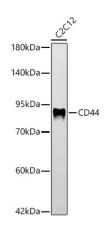
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



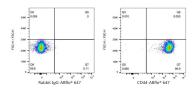
Western blot analysis of lysates from C2C12 cells, using CD44 Rabbit mAb (A24605) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

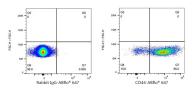
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

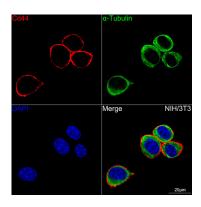
Exposure time: 90s.





Flow cytometry: 1X10^6 EL4 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070,2 µg/mL,left) or CD44 Rabbit mAb (A24605,2 µg/mL,right).

Flow cytometry: 1X10^6 C57BL/6 mouse splenocytes were surface-stained with Rabbit IgG isotype control (AC042,2 μg/mL,left) or CD44 Rabbit mAb (A24605,2 µg/mL,right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.



Confocal imaging of NIH/3T3 cells using CD44 Rabbit mAb (A24605, dilution 1:200)(Red). The cells were counterstained with  $\alpha\text{-Tubulin}$  Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.