Leader in Biomolecular Solutions for Life Science

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# CD44 Rabbit pAb

**Catalog No.: A23055** **1 Publications**

## Basic Information

**Observed MW**
80-95kDa

**Calculated MW**
86kDa

**Category**
Primary antibody

**Applications**
WB,IF/ICC,ELISA

**Cross-Reactivity**
Human, Mouse, Rat

## 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** | 1:100 - 1:500 |
| **IF/ICC** | 1:20 - 1:200 |
| **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

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## Product Information

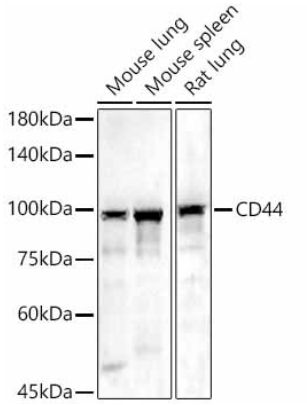
**Source**
Rabbit

**Isotype**
IgG

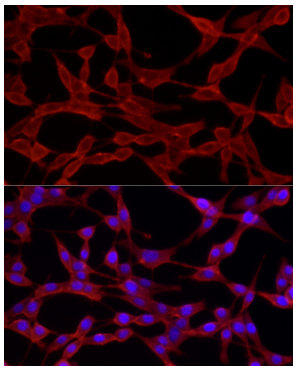
**Purification**
Affinity purification

**Storage**
Store at -20℃

## Validation Data




Western blot analysis of various lysates, using CD44 Rabbit pAb (A23055) at 1:400 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: 180s.



Immunofluorescence analysis of NIH/3T3 cells using CD44 Rabbit pAb (A23055) at dilution of 1:20 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



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