

For Research Use Only

# CD44 Recombinant antibody

Catalog Number: 85163-5-RR



## Basic Information

Catalog Number:

85163-5-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_009851.2

GeneID (NCBI):

12505

UNIPROT ID:

NP\_033981

Full Name:

CD44 antigen

Calculated MW:

86 kDa

Observed MW:

85 kDa

Purification Method:

Protein A purification

CloneNo.:

242666C11

Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:250-1:1000

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : C2C12 cells, HeLa cells, RAW 264.7 cells, A549 cells

IF/ICC : RAW 264.7 cells,

## Background Information

CD44 is a type I transmembrane glycoprotein expressed on embryonic stem cells and in various levels on other cell types including connective tissues and bone marrow. CD44 expression is also upregulated in subpopulations of cancer cells and is recognized as a molecular marker for cancer stem cells (PMID: 29747682). It is a cell-surface receptor that mediates cell-cell and cell-matrix interactions through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands (PMID: 10694938). Adhesion with HA plays an important role in cell migration, tumor growth and progression. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

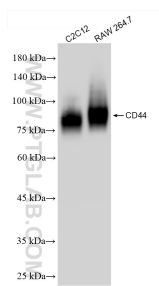
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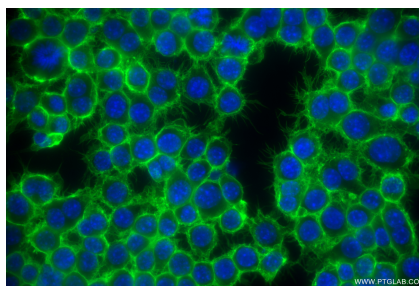
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85163-5-RR (Cd44 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using Cd44 antibody (85163-5-RR, Clone: 242666C11 ) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).