

For Research Use Only

# CD9 Recombinant antibody

Catalog Number: 84801-4-RR



## Basic Information

Catalog Number:

84801-4-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_007657.3

GeneID (NCBI):

12527

UNIPROT ID:

P40240

Full Name:

CD9 antigen

Calculated MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

242432C2

Recommended Dilutions:

IF/ICC 1:250-1:1000

## Applications

Tested Applications:

IF/ICC, ELISA

Species Specificity:

mouse

Positive Controls:

IF/ICC : RAW 264.7 cells,

## Background Information

CD9, also known as Tspan-29, p24 or MIC3, is a member of the tetraspanin superfamily (PMID: 1879540). It is expressed on a large variety of hematopoietic and non-hematopoietic cells, such as stromal cells, megakaryocytes, platelets, B and T lymphocytes, dendritic cells, endothelial cells, mast cells, eosinophils, and basophils (PMID: 30356731). CD9 interacts with the integrin family and other membrane proteins, and is involved in cell adhesion, cell motility and tumor metastasis (PMID: 8478605; 21428940; 25805926). Expression of CD9 enhances membrane fusion between muscle cells and supports myotube maintenance (PMID: 10459022). On oocytes, CD9 is hypothesized to play a role in the fertilization of mammals (PMID: 25536312).

## 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

For technical support and original validation data for this product please contact:

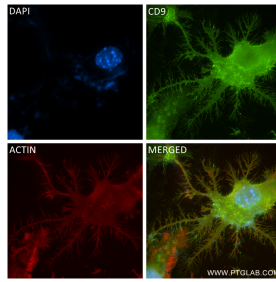
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

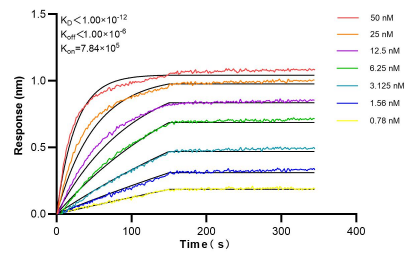
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD9 antibody (84801-4-RR, Clone: 242432C2 ) at dilution of 1:500 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 84801-4-RR against Mouse CD9 were performed. The affinity constant is below 1 pM.