

For Research Use Only

# Anti-Mouse CD9 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98270-1-PBS



## Basic Information

Catalog Number:

98270-1-PBS

Size:

1mg, 2 mg/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.:

242432C7

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## Background Information

The cell-surface molecule CD9, a member of the transmembrane-4 superfamily, interacts with the integrin family and other membrane proteins, and is postulated to participate in cell migration and adhesion. Expression of CD9 enhances membrane fusion between muscle cells and promotes viral infection in some cells (PMID:10459022). It is often used as a mesenchymal stem cell marker (PMID:18005405).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

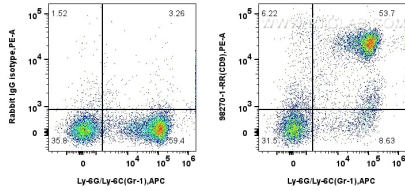
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

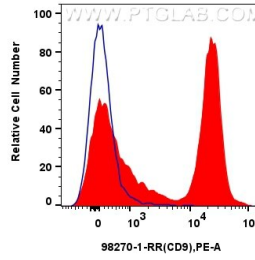
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

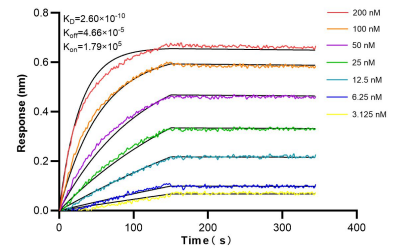
## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse CD9 Rabbit Recombinant Antibody (98270-1-RR, Clone: 242432C7) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Mouse Ly-6G/Ly-6C (Gr-1). Cells were not fixed. This data was developed using the same antibody clone with 98270-1-PBS in a



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse CD9 Rabbit Recombinant Antibody (98270-1-RR, Clone: 242432C7)(red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98270-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 98270-1-RR against Mouse CD9 were performed. The affinity constant is 0.26 nM.