

For Research Use Only

CD9 Recombinant antibody

Catalog Number: 84142-2-RR



Basic Information

Catalog Number:

84142-2-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001769.4

GeneID (NCBI):

928

UNIPROT ID:

P21926

Full Name:

CD9 molecule

Calculated MW:

25 kDa

Observed MW:

23 kDa

Purification Method:

Protein A purification

CloneNo.:

240830A6

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, L02 cells, human placenta tissue

IF/ICC : MCF-7 cells,

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). The CD9 antigen appears to be a 227-amino acid molecule with four hydrophobic domains and one N-glycosylation site (PMID: 1840589). This antibody detects bands of 23-30 kDa, which may be due to the difference in glycosylations (PMID: 8701996).

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:

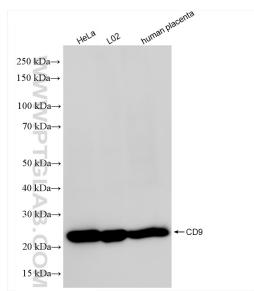
T: 4006900926

E: Proteintech-CN@ptglab.com

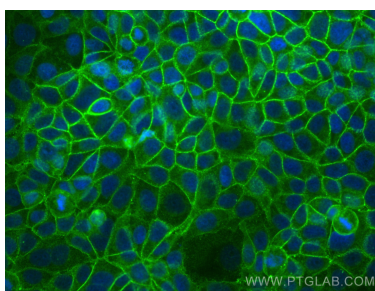
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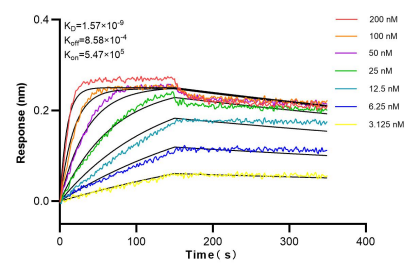
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84142-2-RR (CD9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CD9 antibody (84142-2-RR, Clone: 240830A6) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84142-2-RR against Human CD9 were performed. The affinity constant is 1.57 nM.