For Research Use Only

CD109 Recombinant monoclonal antibody

Catalog Number:87743-1-RR

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Basic Information

Catalog Number:
87743-1-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG6338

GenBank Accession Number:
NM_153098.3

GeneID (NCBI):
235505

UNIPROT ID:
Q8R422

Full Name:
CD109 antigen

Calculated MW:
162 kDa

Observed MW:
180 kDa, 162 kDa

Purification Method:
Protein A purification

CloneNo.:
252918C1

Recommended Dilutions:
WB: 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
mouse

Positive Controls:

WB : mouse testis tissue, mouse skin tissue

Background Information

CD109, also named as CPAMD7, is a member of the alpha2-macroglobulin/complement superfamily. It is a glycosylphosphatidylinositol (GPI)-linked cell surface glycoprotein of approximately 170kd which is found on the cell surface of platelets, activated T-cells, and endothelial cells. CD109 binds to and negatively regulates the signaling of transforming growth factor beta (TGF-beta). CD109 has been identified as part of the TGF-beta receptor system in human keratinocytes. Upregulation of CD109 expression has been observed in several different types of tumors.CD109 is a glycosyl-phosphatidylinositol-anchored glycoprotein that is a member of the a2-macroglobulin/C3, C4, C5 family of thioester-containing proteins. The 180 kDa band is a glycosylation form of the CD109 protein (PMID: 11861284).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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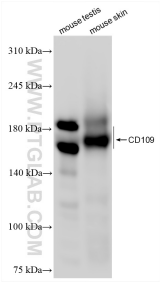
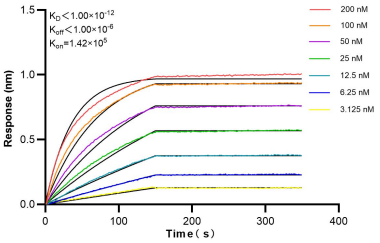
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87743-1-RR (CD109 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87743-1-RR against Mouse CD109 were performed. The affinity constant is below 1 pM.