

For Research Use Only

CD109 Monoclonal antibody, PBS Only



Catalog Number: 60179-1-PBS

Basic Information

Catalog Number: 60179-1-PBS	GenBank Accession Number: BC152996	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 135228	CloneNo.: 2H8G7
Source: Mouse	UNIPROT ID: Q6YHK3	
Isotype: IgG1	Full Name: CD109 molecule	
	Calculated MW: 162 kDa	
	Observed MW: 162 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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 signaling of transforming growth factor beta (TGF-beta). CD109 has been identified as part of the TGF-beta receptor system in human keratinocytes. Up regulation of CD109 expression has been observed in several different types of tumor. CD109 is a glycosyl-phosphatidylinositol-anchored glycoprotein that is a member of the alpha2-macroglobulin/C3, C4, C5 family of thioester-containing proteins. There're 2 forms of 150 (p150) and 120 kDa (p120) exist due to proteolytic degradation from a 180 kDa form. The antibody can recognize all these 4 isoforms.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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



Jurkat cells were subjected to SDS PAGE followed by western blot with 60179-1-Ig (CD109 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60179-1-PBS in a different storage buffer formulation.