

For Research Use Only

Mouse CD315/PTGFRN Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 87433-1-PBS



Basic Information

Catalog Number: 87433-1-PBS	GenBank Accession Number: NM_011197.3	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 19221	CloneNo.: 252390C10
Isotype: IgG	UNIPROT ID: Q9WV91	
Immunogen Catalog Number: EG6319	Full Name: prostaglandin F2 receptor negative regulator	
	Calculated MW: 99 kDa	
	Observed MW: 100-130 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
mouse, rat

Background Information

PTGFRN (Prostaglandin F2 Receptor Negative Regulator), also known as CD315, is a trans-membrane protein that modulates prostaglandin F2 α signaling and links the tetraspanin web to the cytoskeleton, it is now recognized as a driver of metastasis; high expression correlates with aggressive proliferation, migration, and spheroid growth in epidermoid carcinoma, medulloblastoma, and mesothelioma, while silencing PTGFRN impairs these traits and disrupts autophagy (PMID: 38924562). The calculated value of PTGFRN is 98 kDa. It has multiple glycosylation sites and its molecular weight after glycosylation is approximately 100 - 130 kDa.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

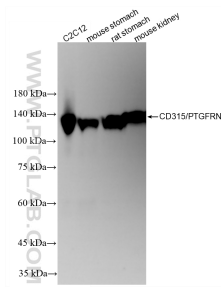
T: 4006900926

E: Proteintech-CN@ptglab.com

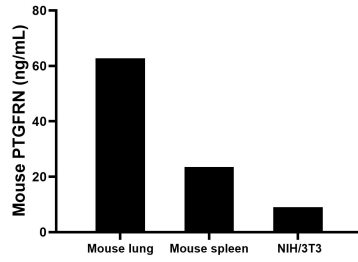
W: ptgcn.com

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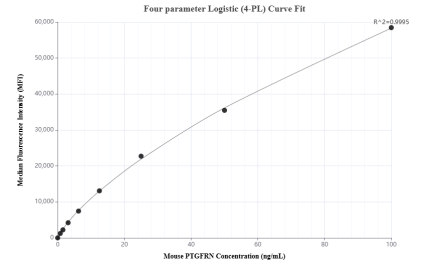
Selected Validation Data



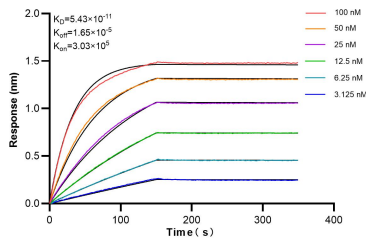
Various lysates were subjected to SDS PAGE followed by western blot with 87433-1-RR (CD315/PTGFRN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87433-1-PBS in a different storage buffer formulation.



The mean PTGFRN concentration was determined to be 62.7 ng/mL in mouse lung tissue extract based on a 5.0 mg/mL extract load, 23.5 ng/mL in mouse spleen tissue extract based on a 6.4 mg/mL extract load, 9.0 ng/mL in NIH/3T3 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP02983-1, MOUSE PTGFRN Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87433-2-PBS. Detection antibody: 87433-1-PBS. Standard: Eg6319. Range: 0.781-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 87433-1-RR against Mouse CD315/PTGFRN were performed. The affinity constant is 54.3 pM.