

For Research Use Only

Dysadherin Recombinant monoclonal antibody

Catalog Number:85025-6-RR



Basic Information

Catalog Number: 85025-6-RR	GenBank Accession Number: NM_001164605.2	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 53827	CloneNo.: 252907A7
Isotype: IgG	UNIPROT ID: Q96DB9	Recommended Dilutions: WB: 1:2000-1:10000 IF/ICC: 1:50-1:500
Immunogen Catalog Number: EG5715	Full Name: FXYP domain containing ion transport regulator 5	
	Calculated MW: 19 kDa	
	Observed MW: 35-55 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : PC-3 cells, MDA-MB-231 cells, NCI-H1299 cells IF/ICC : Jurkat cells,
Species Specificity: human	

Background Information

Dysadherin (also known as FXYP5) is a cancer-related transmembrane glycoprotein, belonging to FXYP family. It is overexpressed on the surface of many tumor cells, and promotes the movement, migration and metastasis of tumor cells by reducing E-cadherin(E- cadherin) dependent intercellular adhesion. Its main function also includes regulating the activity of Na⁺/K⁺-ATPase. It is also a typical "abnormal migration" protein-its SDS-PAGE apparent molecular weight (35-55 kDa) is much higher than the theoretical calculation value (~20 kDa). This difference is mainly caused by extensive O- glycosylation modification, which is particularly important in cancer research, because tumor cells often show a higher degree of glycosylation (50-55 kDa), which may be related to their metastasis promoting function(PMID: 17442482;41535258).

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:

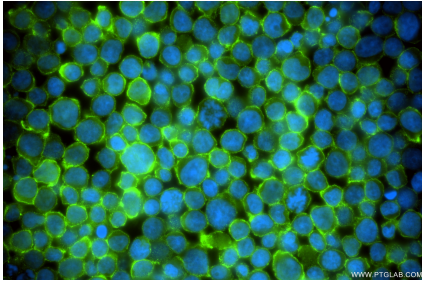
T: 4006900926

E: Proteintech-CN@ptglab.com

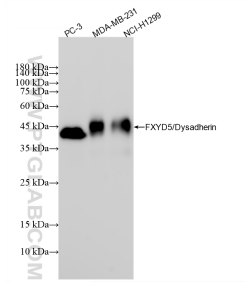
W: ptgcn.com

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

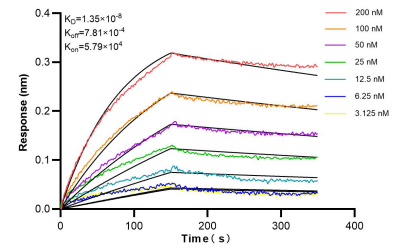
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using Dysadherin antibody (85025-6-RR, Clone: 252907A7) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Various lysates were subjected to SDS PAGE followed by western blot with 85025-6-RR (FXVD5/Dysadherin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Bilayer interferometry (BLI) kinetic assays of 85025-6-RR against Human Dysadherin were performed. The affinity constant is 13.5 nM.