

For Research Use Only

# Dysadherin Recombinant monoclonal antibody

Catalog Number:85025-6-RR



## Basic Information

<b>Catalog Number:</b> 85025-6-RR	<b>GenBank Accession Number:</b> NM_001164605.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 53827	<b>CloneNo.:</b> 252907A7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96DB9	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000 IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> FXYP domain containing ion transport regulator 5	
<b>Immunogen Catalog Number:</b> EG5715	<b>Calculated MW:</b> 19 kDa	
	<b>Observed MW:</b> 35-55 kDa	

## Applications

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

## 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

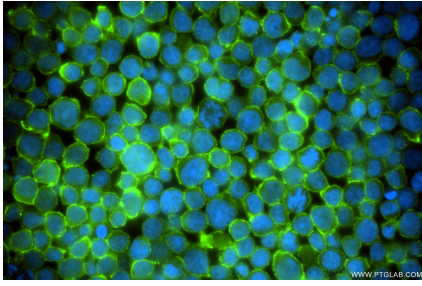
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

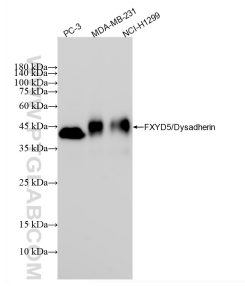
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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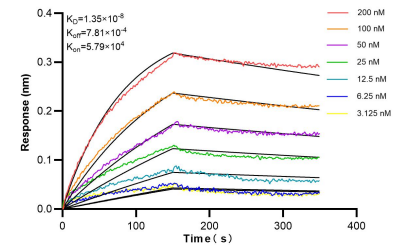
## Selected Validation Data



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 (FXYD5/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.