

For Research Use Only

# KIF23 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85675-5-PBS



## Basic Information

Catalog Number:	85675-5-PBS	GenBank Accession Number:	NM_138555	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	9493	CloneNo.:	243084E3
Source:	Rabbit	UNIPROT ID:	Q02241		
Isotype:	IgG	Full Name:	kinesin family member 23		
Immunogen Catalog Number:	AG29346	Calculated MW:	110 kDa		

## Applications

**Tested Applications:**  
IF/ICC, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Background Information

KIF23, also known as KNSL5 and MKLP1, is a member of the kinesin-like protein family. It plays a crucial role in cytokinesis, the final stage of cell division. It is involved in the formation of the central spindle, which is essential for the proper separation of the cytoplasm and the formation of the cleavage furrow. KIF23 is also involved in the organization and transport of intracellular vesicles and organelles. Mutations in KIF23 have been associated with congenital dyserythropoietic anemia type III (PMID: 23570799).

## 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:

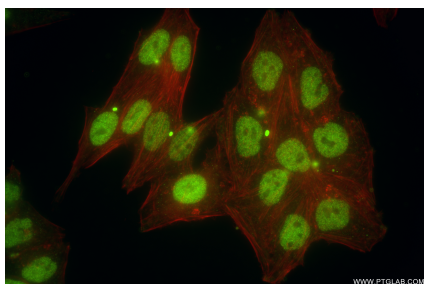
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

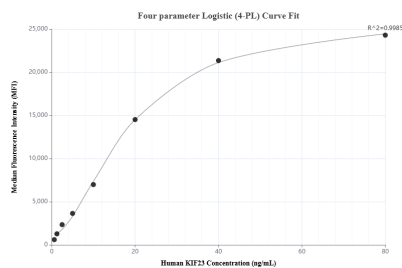
W: [ptgcn.com](http://ptgcn.com)

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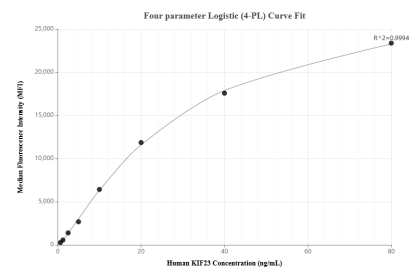
## Selected Validation Data



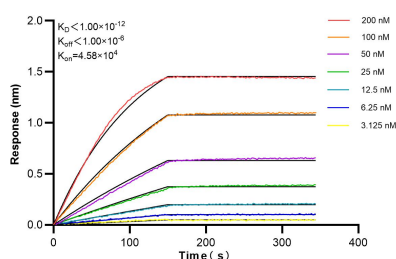
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using KIF23 antibody (85675-5-RR, Clone: 243084E3) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 85675-5-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP02031-1, KIF23 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85675-5-PBS. Detection antibody: 85675-4-PBS. Standard: Ag29346. Range: 0.625-80 ng/mL.



Cytometric bead array standard curve of MP02031-2, KIF23 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85675-5-PBS. Detection antibody: 85675-3-PBS. Standard: Ag29346. Range: 0.625-80 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 85675-5-RR against Human KIF23 were performed. The affinity constant is below 1 pM.