

For Research Use Only

# IDS Recombinant antibody, PBS Only

Catalog Number: 84623-7-PBS



## Basic Information

<b>Catalog Number:</b> 84623-7-PBS	<b>GenBank Accession Number:</b> BC006170	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 3423	<b>CloneNo.:</b> 242054G12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P22304	
<b>Isotype:</b> IgG	<b>Full Name:</b> iduronate 2-sulfatase	
<b>Immunogen Catalog Number:</b> AG31132	<b>Calculated MW:</b> 312aa,35 kDa; 550aa,62 kDa	

## Applications

**Tested Applications:**  
IF/ICC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Iduronate 2-sulfatase (IDS) is required for the lysosomal degradation of heparan sulfate and dermatan sulfate. Mutations causing IDS deficiency in humans result in the lysosomal storage of these glycosaminoglycans and Hunter syndrome, an X chromosome-linked disease. IDS is synthesized as two precursor forms of 76 and 90 kDa that are converted, through a 62 kDa intermediate, to mature polypeptides due to an internal proteolytic cleavage (PMID: 10838181).

## 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

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

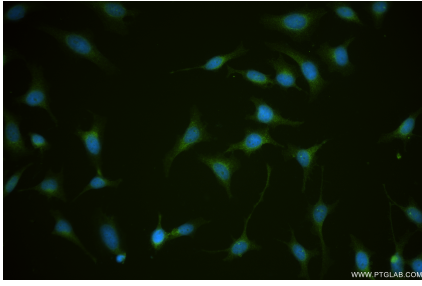
T: 4006900926

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

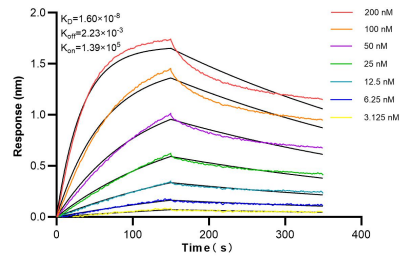
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using IDS antibody (84623-7-RR, Clone: 242054G12 ) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84623-7-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84623-7-RR against Human IDS were performed. The affinity constant is 16.0 nM.