

For Research Use Only

# IDS Recombinant antibody

Catalog Number: 84623-7-RR



## Basic Information

<b>Catalog Number:</b> 84623-7-RR	<b>GenBank Accession Number:</b> BC006170	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3423	<b>CloneNo.:</b> 242054G12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P22304	<b>Recommended Dilutions:</b> IF/ICC 1:125-1:500
<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

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> 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

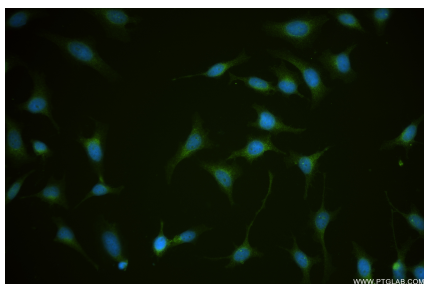
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

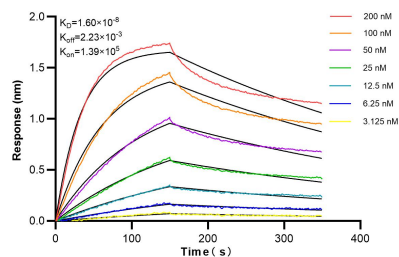
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## Selected Validation Data



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).



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