

For Research Use Only

IDS Recombinant antibody

Catalog Number: 84623-7-RR



Basic Information

Catalog Number: 84623-7-RR	GenBank Accession Number: BC006170	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3423	CloneNo.: 242054G12
Source: Rabbit	UNIPROT ID: P22304	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: iduronate 2-sulfatase	
Immunogen Catalog Number: AG31132	Calculated MW: 312aa,35 kDa; 550aa,62 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : HeLa cells,
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 -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

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

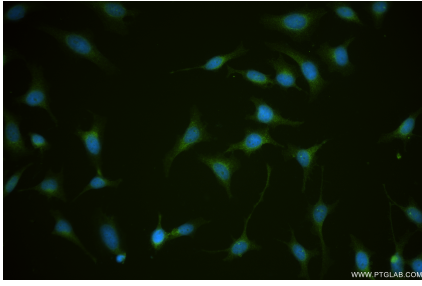
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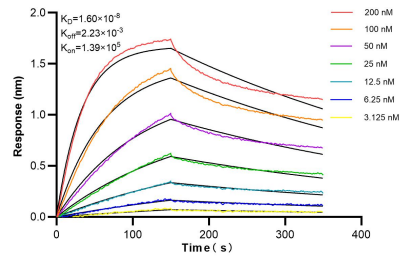
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Selected Validation Data



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).



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