

For Research Use Only

IDS Recombinant antibody, PBS Only

Catalog Number: 84623-6-PBS



Basic Information

Catalog Number: 84623-6-PBS	GenBank Accession Number: BC006170	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3423	CloneNo.: 242054A7
Source: Rabbit	UNIPROT ID: P22304	
Isotype: IgG	Full Name: iduronate 2-sulfatase	
Immunogen Catalog Number: AG31132	Calculated MW: 312aa,35 kDa; 550aa,62 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:
WB, 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).

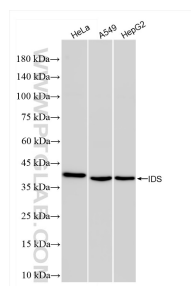
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

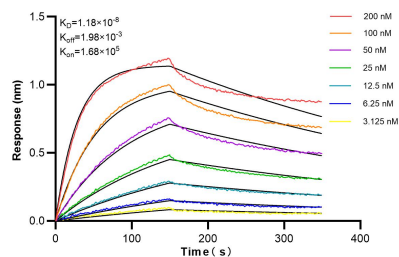
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84623-6-RR (IDS antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84623-6-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84623-6-RR against Human IDS were performed. The affinity constant is 11.8 nM.