

CoraLite® Plus 488-conjugated Iduronate 2 sulfatase Monoclonal antibody

Catalog Number: **CL488-66112**

Basic Information

Catalog Number: CL488-66112	GenBank Accession Number: BC006170	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 3423	CloneNo.: 1A3F9
Source: Mouse	UNIPROT ID: P22304	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: iduronate 2-sulfatase	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG19095	Calculated MW: 312aa,35 kDa; 550aa,62 kDa	
	Observed MW: 76 kDa, 55 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human, mouse, rat , pig	

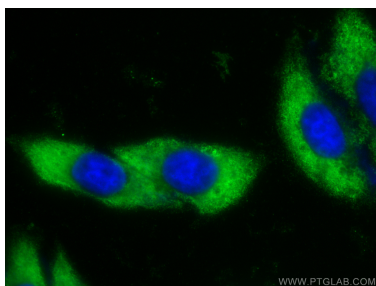
Background Information

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 55 and 45 kDa mature polypeptides due to an internal proteolytic cleavage (PMID: 10838181).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 Iduronate 2 sulfatase antibody (CL488-66112, Clone: 1A3F9) at dilution of 1:200.