

For Research Use Only

CoraLite® Plus 488-conjugated IDS Recombinant monoclonal antibody

Catalog Number: CL488-84623-7



Basic Information

Catalog Number:

CL488-84623-7

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31132

GenBank Accession Number:

BC006170

GeneID (NCBI):

3423

UNIPROT ID:

P22304

Full Name:

iduronate 2-sulfatase

Calculated MW:

312aa, 35 kDa; 550aa, 62 kDa

Purification Method:

Protein A purification

CloneNo.:

242054G12

Recommended Dilutions:

IF/ICC: 1:500-1:2000

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

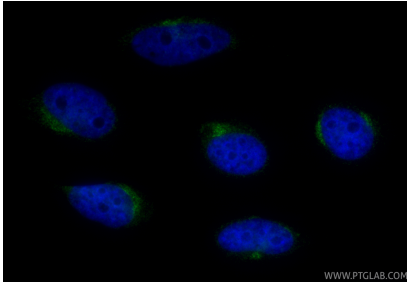
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 488 IDS antibody (CL488-84623-7, Clone: 242054G12) at dilution of 1:1000.