



Mouse anti-Human IDS monoclonal antibody, clone 4C5 (CABT-B10444)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	IDS (AAH06170.1, 1 a.a. ~ 312 a.a) full-length recombinant protein with GST tag.
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Human
Clone	4C5
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	MPPPRGTGRGLLWLGLVLSSVCVALGSETQANSTTDALNVLLIIVDDLRLPSLGCYGDKLVR SPNIDQLASHSLLFQNAFAQQAVCAPSRVSFLTGRRPDTRLYDFNSYWRVHAGNFSTIP QYFKENGYVTMSVGKVFHPGISSNHTDDSPYSWSFPPYHPSSEKYENTKTCRGPDGELHA NLLCPVDVLDVPEGTLDPKQSTEQAQIQLLEKMKTSASPFFLAVGYHKPHIPFRYPKEFQK LYPLENITLAPDPEV
Format	Liquid
Size	200 µl
Buffer	In ascites fluid
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction The protein encoded by this gene belongs to the sulfatase family, is localized to the lysosome, and is involved in lysosomal degradation of heparan sulfate and dermatan sulfate. Mutations in this gene are associated with the X-linked lysosomal storage disease, mucopolysaccharidosis type II, also known as Hunter syndrome. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Aug 2013]

Keywords IDS; iduronate 2-sulfatase; MPS2; SIDS; idursulfase; iduronate 2-sulfatase 14 kDa chain; iduronate 2-sulfatase 42 kDa chain; alpha-L-iduronate sulfate sulfatase;

GENE INFORMATION

Entrez Gene ID [3423](#)

UniProt ID [P22304](#)

Pathway Glycosaminoglycan degradation, organism-specific biosystem; Glycosaminoglycan degradation, conserved biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolic pathways, organism-specific biosystem

Function catalytic activity; hydrolase activity; iduronate-2-sulfatase activity; metal ion binding; sulfuric ester hydrolase activity