

Datasheet for ABIN6720106

IDS ELISA Kit

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Overview

Quantity:	1 kit
Target:	IDS
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Human IDS Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human IDS. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 15 pg/mL
Components:	• Antibody-coated 96-well plate • Target Protein Standard • Detection antibody

Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target:	IDS
Alternative Name:	IDS (IDS Products)
Background:	Synonyms: Ids, Iduronate 2 sulfatase, Iduronate sulfatase, Idursulfase, MPS2, SIDS Background: Iduronate 2-sulfatase (IDS) is a sulfatase enzyme associated with Hunter syndrome. It encodes a member of the sulfatase family of proteins. Iduronate 2-sulfatase is involved in the lysosomal degradation of the glycosaminoglycans heparan sulfate and dermatan sulfate. The encoded preproprotein is proteolytically processed to generate two polypeptide chains. Mutations in this gene are associated with the X-linked lysosomal storage disease mucopolysaccharidosis type II, also known as Hunter syndrome. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.
Gene ID:	3423
NCBI Accession:	NP_000193
UniProt:	P22304
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	ELISA_Dilution: 156 pg/mL-10000 pg/mL Application_Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human IDS standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human IDS standard solution and each sample be measured in duplicate.
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Application Details

Comment:	Standard: Expression system for standard: NSO, Immunogen sequence: S26-P550
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C, -20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiry Date:	12 months