

## ARG82699 Mouse IDS / Iduronate 2 Sulfatase ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82699-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82699-002	Standard	2 X 10 ng/vial	4°C
ARG82699-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82699-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82699-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82699-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82699-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82699-008	25X Wash buffer	20 ml	4°C
ARG82699-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82699-010	STOP solution	10 ml (Ready to use)	4°C
ARG82699-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82699 Mouse IDS / Iduronate 2 Sulfatase ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IDS / Iduronate 2 Sulfatase in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	IDS / Iduronate 2 Sulfatase
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.4%

Inter-Assay CV: 6.1%

#### Alternate Names

Alpha-L-iduronate sulfate sulfatase; Iduronate 2-sulfatase; Idursulfase; IDS; EC 3.1.6.13; MPS2

## Application Instructions

#### Assay Time

~ 5 hours

## Properties

#### Form

96 well

#### Storage instruction

Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

#### Gene Symbol

IDS

#### Gene Full Name

iduronate 2-sulfatase

#### Background

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]

#### Function

Required for the lysosomal degradation of heparan sulfate and dermatan sulfate. [UniProt]

#### Highlight

Related products:

[Iduronate 2 Sulfatase antibodies](#); [Iduronate 2 Sulfatase ELISA Kits](#);

New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

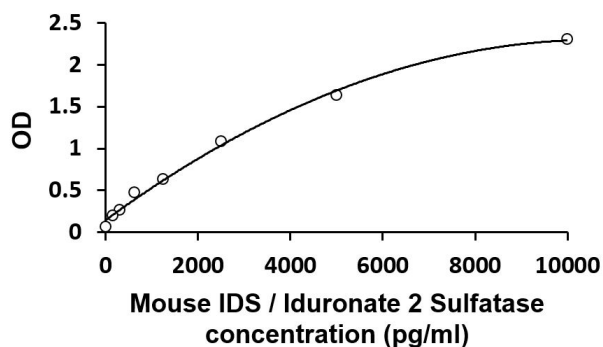
#### PTM

The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity. [UniProt]

#### Cellular Localization

Lysosome. [UniProt]

## Images



ARG82699 Mouse IDS / Iduronate 2 Sulfatase ELISA Kit standard curve image

ARG82699 Mouse IDS / Iduronate 2 Sulfatase ELISA Kit results of a typical standard run with optical density reading at 450 nm.