

## Human IDS (Iduronate-2-Sulfatase) ELISA Kit | IDS elisa kit

Human IDS (Iduronate-2-Sulfatase) ELISA Kit

CATALOG #  
**AAA271761**

REACTIVITY  
**Human**

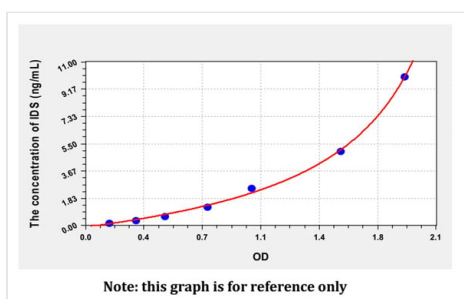
### PRODUCT SYNONYMS

IDS (Iduronate-2-Sulfatase); Human IDS (Iduronate-2-Sulfatase) ELISA Kit; MPS2; SIDS; Hunter Syndrome; Idursulfase; Alpha-L-iduronate sulfate sulfatase; IDS elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                               |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human IDS. No significant cross-reactivity or interference between Human IDS and analogues was observed. |
| Assay Type              | Sandwich                                                                                                                                                                            |
| Detection Range         | 0.16-10 ng/mL                                                                                                                                                                       |
| Sensitivity             | 0.057 ng/mL                                                                                                                                                                         |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.              |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.               |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                                    |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IDS elisa kit

**Principle of the Assay:** The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Iduronate-2-Sulfatase(IDS). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Iduronate-2-Sulfatase(IDS). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Iduronate-2-Sulfatase(IDS), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Iduronate-2-Sulfatase(IDS) in the samples is then determined by comparing the OD of the samples to the standard curve.

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/ids-iduronate-2-sulfatase/271761>