



## *Anti-human Iduronate 2-Sulfatase/IDS Antibody*

### ORDERING INFORMATION

**Catalog Number:** AF2449

**Lot Number:** ZAE01

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human IDS

**Immunogen:** NS0-derived rhIDS (aa 26 - 550)

**Ig Type:** goat IgG

**Applications:** Western blot  
Immunoprecipitation  
Direct ELISA

### *Preparation*

Produced in goats immunized with purified, NS0-derived, recombinant human Iduronate 2-sulfatase (rhIDS; aa 26 - 550; R&D Systems' Catalog # 2449-SU). Human IDS specific IgG was purified by human IDS affinity chromatography.

### *Formulation*

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### *Reconstitution*

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/mL.

### *Storage*

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### *Specificity*

This antibody has been selected for its ability to recognize human IDS in direct ELISAs and Western blots. In these formats, this antibody shows approximately 50% cross-reactivity with rhIDS.

### *Applications*

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human IDS. The detection limit for rhIDS is approximately 25 ng/lane under non-reducing and reducing conditions.

**Immunoprecipitation** - This antibody has been used to immunoprecipitate rhIDS from conditioned media of transfected NS0 cells. The recovered rhIDS can be detected by Western blot analysis using a monoclonal antibody (R&D Systems' Catalog # MAB2449).

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human IDS. The detection limit for rhIDS is approximately 0.3 ng/well.

**Optimal dilutions should be determined by each laboratory for each application.**