



Anti-human Sulfotransferase 1E1/SULT1E1 Antibody

ORDERING INFORMATION

Catalog Number: AF5545

Lot Number: CDFH01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human SULT1E1

Immunogen: *E. coli*-derived rhSULT1E1 (aa 2 - 294)

Ig Type: goat IgG

Applications: Western blot
Immunoprecipitation
Direct ELISA

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant human Sulfotransferase 1E1 (rhSULT1E1; aa 2 - 294; R&D Systems, Catalog # 5545-ST). Human SULT1E1 specific IgG was purified by human SULT1E1 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 SULT1E1 in direct ELISAs and Western blots. In direct ELISAs, this antibody shows approximately 10% cross-reactivity with rhSULT1A1, and less than 2% cross-reactivity with rhSULT2A1 and rhSULT4A1.

Applications

Western blot - An antibody concentration of 1.0 µg/mL is recommended.

Immunoprecipitation - This antibody has been used to immunoprecipitate rhSULT1E1 from *E. coli* lysates.

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human SULT1E1. The detection limit for rhSULT1E1 is approximately 0.3 ng/well.

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



Detection of SULT1E1 with AF5545.

Tissue lysates were resolved by SDS-PAGE, transferred to an Immobilon-P membrane and immunoblotted with 1.0 µg/mL goat anti-hSULT1E1.