



Anti-human/mouse ADAMTS1 Antibody

ORDERING INFORMATION

Catalog Number: AF5867

Lot Number: CDSL01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human and mouse ADAMTS1

Immunogen: CHO cell-derived rmADAMTS1 (aa 254 - 725)

Ig Type: sheep IgG

Applications: Western blot
Immunoprecipitation
Direct ELISA

Preparation

Produced in sheep immunized with purified, CHO cell-derived, recombinant mouse ADAMTS1 (rmADAMTS1; aa 254 - 725; R&D Systems, Catalog # 5867-AD). ADAMTS1 specific IgG was purified by mouse ADAMTS1 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 mouse ADAMTS1 in direct ELISAs and Western blots. In direct ELISAs, this antibody shows less than 5% cross-reactivity with rhADAMTS4 and rhADAMTS15, and less than 1% cross-reactivity with rhADAMTSL1.2, rhADAMTSL2, rhADAMTS5, rhADAMTS8, rhADAMTS10, rhADAMTS12, rhADAMTS13 and rhADAMTS16.

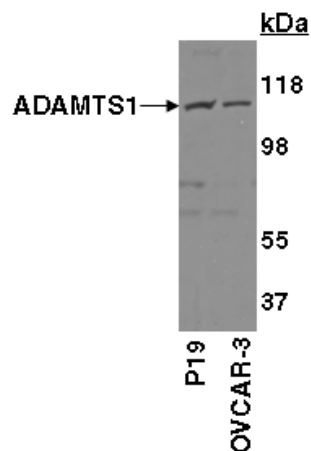
Applications

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

Immunoprecipitation - This antibody has been used to immunoprecipitate rmADAMTS1 from conditioned media of transfected CHO cells.

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human and mouse ADAMTS1. The detection limit for rhADAMTS1 and rmADAMTS1 is approximately 1 ng/well.

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



Detection of ADAMTS1 with AF5867.

Cell lysates were resolved by SDS-PAGE, transferred to an Immobilon-P membrane and immunoblotted with 1.0 µg/mL sheep anti-h/mADAMTS1.

フナコシ株式会社

試薬に関して: Tel. 03-5684-1620 / Fax 03-5684-1775
e-mail: reagent@funakoshi.co.jp

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R&D Systems, Inc.
1-800-343-7475

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