



Anti-human ADAM15 Antibody

ORDERING INFORMATION

Catalog Number: AF935

Lot Number: FII01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human ADAM15 ectodomain

Immunogen: Sf 21-derived rhADAM15 ectodomain

Ig Type: goat IgG

Applications: Direct ELISA
Western blot
Immunoprecipitation
Immunohistochemistry

Preparation

Produced in goats immunized with purified, Sf 21-derived, recombinant human ADAM15 ectodomain (rhADAM15 ectodomain). Human ADAM15 ectodomain specific IgG was purified by human ADAM15 ectodomain affinity chromatography.

Formulation

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

Endotoxin Level

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 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 tested for its ability to recognize rhADAM15 ectodomain in direct ELISA and western blots. By western blots under reducing and non-reducing conditions, this antibody shows about 5% cross-reactivity with the ectodomain of rmADAM9 and rmADAM15, and does not cross-react with the ectodomain of rmADAM10, rhADAM8 and rhADAM17 (TACE).

Applications

Direct ELISA - This antibody can be used at 0.5 µg/mL with the appropriate secondary reagents to detect human ADAM15 ectodomain. The detection limit for rhADAM15 ectodomain is approximately 0.15 ng/well.

Western blot - This antibody can be used at 0.1 µg/mL with the appropriate secondary reagents to detect human ADAM15 ectodomain. The detection limit for rhADAM15 ectodomain is approximately 10 ng/lane under both non-reducing and reducing conditions.

Immunoprecipitation - This antibody has been used at 25 µg/mL to immunoprecipitate rhADAM15 ectodomain from the conditioned medium of Sf 21 cells.

Immunohistochemistry - This antibody will detect ADAM15 in cells and tissues. The working dilution is 15 µg/mL. For chromogenic detection of labeling, R&D Systems' Cell and Tissue Staining Kits (CTS Series) are recommended.

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

For immunohistochemistry images, please refer to our website at <http://www.RnDSystems.com/ihc>