



Biotinylated Anti-human ADAM9 Antibody

ORDERING INFORMATION

Catalog Number: BAF939

Lot Number: ERX01

Size: 50 µg

Formulation: 0.2 µm filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: human ADAM9 ectodomain

Immunogen: NS0-derived rhADAM9 ectodomain

Ig Type: goat IgG

Applications: Western blot
ELISA detection

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human ADAM9 (rhADAM9) ectodomain. Human ADAM9 specific IgG was purified by human ADAM9 affinity chromatography and then biotinylated.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin per 1 µg of antibody.

Reconstitution

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/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 use as a detection antibody in human ADAM9 ELISAs and Western blots.

Applications

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human ADAM9. The detection limit for rhADAM9 is approximately 5 ng/lane and 25 ng/lane under non-reducing and reducing conditions, respectively.

ELISA detection - This biotinylated antibody can be used as a detection reagent in a human ADAM9 sandwich immunoassay in combination with the human ADAM9 capture reagent (Cat. # AF939) and recombinant human ADAM9 (Cat. # 939-AD) as the standard. The suggested concentration range for this detection reagent is 0.1 - 0.4 µg/mL and should be titrated to determine the optimal concentration. A general protocol is provided at www.RnDSystems.com/MAPELISA. In this format, less than 20% cross-reactivity is observed with rmADAM9 and less than 0.05% cross-reactivity is observed with rhADAM8, rhADAM10, rhTACE, rhTIMP-1, rhTIMP-2, rhTIMP-3, rhTIMP-4, rhBACE-1 and rmADAM10.

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