



Anti-human JAM-A Antibody

ORDERING INFORMATION

Catalog Number: AF1103

Lot Number: GHX02

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human JAM-A
extracellular domain

Immunogen: NS0-derived rhJAM-A
extracellular domain

Ig Type: goat IgG

Applications: Western blot
Immunohistochemistry
Direct ELISA

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Junctional Adhesion Molecule A (rhJAM-A) extracellular domain. JAM-A specific IgG was purified by human JAM-A 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 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 selected for its ability to recognize rhJAM-A in the applications listed below. In direct ELISAs and Western blots, this antibody shows approximately 10% cross-reactivity with rmJAM-A.

Applications

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human JAM-A. The detection limit for rhJAM-A is approximately 5 ng/lane and 0.5 ng/lane under non-reducing and reducing conditions, respectively.

Immunohistochemistry - This antibody will detect JAM-A in cells and tissues. The working dilution is 5 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

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

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

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