Biotinylated Anti-mouse ALCAM Antibody

ORDERING INFORMATION

Catalog Number: BAF1172

Lot Number: ITW01

Size: 50 μg

Formulation: 0.2 μm filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: mouse ALCAM

Immunogen: NS0-derived rmALCAM

Ig Type: mouse ALCAM extracellular domain specific goat IgG

Applications: Western blot
Flow cytometry
Immunohistochemistry

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse activated leukocyte cell adhesion molecule (rmALCAM) extracellular domain. Mouse ALCAM specific IgG was purified by mouse ALCAM 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 (BSA) 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 the applications listed below.

Applications

Western Blot - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect mouse ALCAM. The detection limit for rmALCAM is approximately 1 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 50% cross-reactivity with rhALCAM.

Flow Cytometry - This antibody has been tested on activated mouse T cells. Dilute this antibody to 0.1 mg/mL and add 10 μL of the diluted solution to 1 - 2.5 x 10^5 cells in a total reaction volume not exceeding 200 μL. The binding of unlabeled antibodies may be visualized by adding stock solution of a secondary developing reagent such as goat anti-goat IgG conjugated to a fluorochrome.

Immunohistochemistry - This antibody will detect ALCAM in cells and tissues. The working dilution is 2 - 15 μg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

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

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