



Biotinylated Anti-mouse CD2F-10/SLAMF9 Antibody

ORDERING INFORMATION

Catalog Number: BAF2829

Lot Number: WRK01

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 CD2F-10 extracellular domain

Immunogen: NS0-derived rmCD2F-10 extracellular domain

Ig Type: goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse CD2 family 10 (rmCD2F-10) extracellular domain. Mouse CD2F-10 specific IgG was purified by mouse CD2F-10 affinity chromatography and then biotinylated. CD2F-10, also known as SLAM (signalling lymphocyte activation molecule) family member 9 (SLAMF9), is a type I transmembrane (TM) protein that belongs to the SLAM (CD150)/CD2 subset of the Ig superfamily. The CD2F-10 extracellular region contains two Ig-like domains, one V-type at the N-terminus and a C2-type adjacent to the TM segment. The cytoplasmic domain does not have a SAP (SLAM-associated protein) motif characteristic of other SLAM/CD2 subset members. The mouse CD2F-10 extracellular region shows 82% aa sequence identity with the rat CD2F-10 extracellular region and 61% aa sequence identity with both human and bovine CD2F-10 extracellular regions.

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 mouse CD2F-10 western blots.

Application

Western Blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse CD2F-10. The detection limit for rmCD2F-10 is approximately 2 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows less than 5% cross-reactivity with rmCD2.

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