



## ***Biotinylated Anti-mouse TCAM-1 Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** BAF3546

**Lot Number:** XPX01

**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 TCAM-1 extracellular  
domain

**Immunogen:** NS0-derived rmTCAM-1  
extracellular domain

**Ig Type:** goat IgG

**Application:** Western blot

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant mouse Testicular Cell Adhesion Molecule 1 (rmTCAM-1; aa 18 - 481; Accession # AAH50746) extracellular domain. Mouse TCAM-1 specific IgG was purified by mouse TCAM-1 affinity chromatography and then biotinylated. TCAM is a type I transmembrane protein that was originally characterized in mouse and rat. It is a member of the immunoglobulin superfamily. Mouse TCAM-1 is synthesized as a 546 residue precursor with a 465 residue extracellular domain containing five Ig-like domains. A splice variant that lacks the 5<sup>th</sup> Ig domain, the transmembrane domain and the cytoplasmic tail has also been described. TCAM-1 is expressed in spermatids. Mouse and rat TCAM-1 share 89% amino acid sequence identity in the extracellular domain.

### ***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 TCAM-1 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 TCAM-1. The detection limit for rmTCAM-1 is approximately 1 ng/lane under non-reducing and reducing conditions.

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