Biotinylated Anti-mouse HVEM/TNFRSF14 Antibody

ORDERING INFORMATION

Catalog Number: BAF2516

Lot Number: CDHX01

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 HVEM extracellular domain

Immunogen: NS0-derived rmHVEM extracellular domain

Ig Type: goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse Herpes Virus Entry Mediator (rmHVEM) extracellular domain. Mouse HVEM specific IgG was purified by mouse HVEM affinity chromatography and then biotinylated. HVEM, also known as TR2 (TNF receptor-like molecule), is a type I membrane protein belonging to the TNF receptor superfamily. HVEM binds herpes virus gpD and two TNF superfamily proteins, Lymphotoxin-α and LIGHT. The extracellular regions of human and mouse HVEM share 54% amino acid sequence homology.

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 HVEM 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 HVEM. The detection limit for rmHVEM is approximately 1 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows less than 5% cross-reactivity with rhHVEM and less than 2% cross-reactivity with rmDR3, rmFas, rmGITR, rmTWEAK R, rm4-1BB, rmBAFF R, rmCD27, rmCD30 rmCD40, rmEDAR, rmNGF R, rmOX40, rmRANK, rmTNF RI, rmTNF RII, rhDR6, rhTRAIL R3 and rhTRAIL R4.

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

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