



Biotinylated Anti-mouse IL-12 R β 1 Antibody

ORDERING INFORMATION

Catalog Number: BAF1998

Lot Number: KTU01

Size: 50 μ g

Formulation: 0.2 μ m filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: mouse IL-12 R β 1 extracellular domain

Immunogen: Sf 21-derived rmlL-12 R β 1 extracellular domain

Ig Type: goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, insect cell Sf 21-derived, recombinant mouse interleukin 12 receptor beta 1 (rmlL-12 R β 1) extracellular domain. Mouse IL-12 R β 1 specific IgG was purified by mouse IL-12 R β 1 affinity chromatography and then biotinylated. IL-12 R β 1 is a type I transmembrane protein belonging to the type I cytokine family of receptors. It binds to IL-12 with low affinity. The functional high-affinity IL-12 receptor is a complex of IL-12 R β 1 and IL-12 R β 2.

Formulation

Lyophilized from a 0.2 μ m filtered solution in phosphate-buffered saline (PBS) containing 50 μ g of bovine serum albumin (BSA) per 1 μ g 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 μ g/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 IL-12 R β 1 western blots.

Application

Western Blot - This antibody can be used at 0.1 - 0.2 μ g/mL with the appropriate secondary reagents to detect mouse IL-12 R β 1. The detection limit for rmlL-12 R β 1 is approximately 20 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 25% cross-reactivity with rhIL-12 R β 1.

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