Biotinylated Anti-cotton rat IL-1α Antibody

ORDERING INFORMATION

Catalog Number: BAF552

Lot Number: FDK01

Size: 50 μg

Formulation: 0.2 μm filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: rcrIL-1α

Immunogen: *E. coli*-derived rcrIL-1α

Ig Type: crIL-1α specific goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant cotton rat Interleukin 1 alpha (rcrIL-1α). Cotton rat IL-1α specific IgG was purified by cotton rat IL-1α 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 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 greater than six months when held at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 4° C for at least 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C for at least 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 cotton rat IL-1α western blots.

Application

Western Blot - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect cotton rat IL-1α. The detection limit for crIL-1α is approximately 0.5 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 40% cross-reactivity with rrIL-1α, 20% cross-reactivity with rmIL-1α and less than 1% cross-reactivity with rpIL-1α and rhIL-1α.

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

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