



Biotinylated Anti-mouse IL-17 RC Antibody

ORDERING INFORMATION

Catalog Number: BAF2270

Lot Number: VIE01

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 IL-17 RC extracellular domain

Immunogen: NS0-derived rmIL-17 RC extracellular domain

Ig Type: goat IgG

Applications: Western blot
Flow Cytometry

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse interleukin 17 receptor C (rmIL-17 RC) extracellular domain. Mouse IL-17 RC specific IgG was purified by mouse IL-17 RC 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 (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

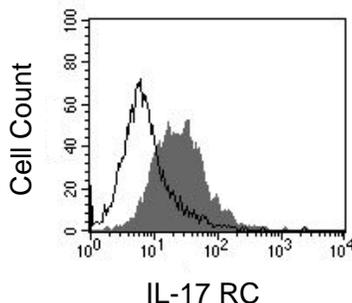
This antibody has been selected for use as a detection antibody in the applications listed below.

Applications

Western Blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse IL-17 RC. The detection limit for rmIL-17 RC is approximately 2 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 10% cross-reactivity with rhIL-17 RC and less than 2% cross-reactivity with rhIL-17 R, rmIL-17 RD and rmIL-17B R.

Flow Cytometry - This antibody was tested in flow cytometry using Raw264 cells. Dilute this antibody to 50 µg/mL and add 10 µL of the diluted solution to 1-2.5 x 10⁵ cells in a total reaction volume not exceeding 200 µL. The binding of biotinylated antibodies may be visualized by adding a secondary developing reagent such as streptavidin conjugated to a fluorochrome.

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



Raw264 cells were stained with biotinylated anti-IL-17RC (R&D Systems, Cat. # BAF2270, filled histogram) or control antibody (R&D Systems, Cat. # BAF108, open histogram) followed by PE-conjugated streptavidin (R&D Systems, Cat. # F0040).