



# Anti-mouse IL-17 RD/SEF Antibody

## ORDERING INFORMATION

**Catalog Number:** AF2276

**Lot Number:** XJB01

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS with 5% trehalose

**Storage:** -20° C

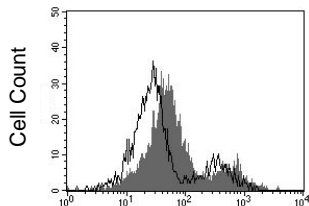
**Reconstitution:** sterile PBS

**Specificity:** mouse IL-17 RD extracellular domain

**Immunogen:** NS0-derived rmlL-17 RD extracellular domain

**Ig Type:** goat IgG

**Applications:** Western blot  
Immunohistochemistry  
Flow cytometry  
Direct ELISA



IL-17 RD

bEnd.3 cells were stained with anti-IL-17 RD (R&D Systems, Cat. # AF2276, filled histogram) or control antibody (R&D Systems, Cat. # AB-108-C, open histogram) followed by APC-conjugated anti-goat IgG (R&D Systems, Cat. # F0108).

## Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse Interleukin 17 Receptor D (rmlL-17 RD) extracellular domain. Mouse IL-17 RD specific IgG was purified by mouse IL-17 RD affinity chromatography.

## Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

## Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/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 its ability to recognize mouse IL-17 RD 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 RD. The detection limit for rmlL-17 RD is approximately 5 ng/lane under non-reducing and reducing conditions.

**Immunohistochemistry** - This antibody will detect IL-17 RD in cells and tissues. The working dilution is 2 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems Cell and Tissue Staining Kits (CTS Series).

**Flow cytometry** - This antibody was tested in flow cytometry using bEnd.3 cells. Dilute this antibody to 25 µg/mL and add 10 µL of the diluted solution to 1 - 2.5 x 10<sup>5</sup> cells in a total reaction volume not exceeding 200 µL. The binding of unlabeled antibodies may be visualized by adding a secondary developing reagent such as anti-goat IgG conjugated to a fluorochrome.

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse IL-17 RD. The detection limit for rmlL-17 RD is approximately 0.3 ng/well. In this format, this antibody shows approximately 40% cross-reactivity with rhIL-17 RD and less than 1% cross-reactivity with rmlL-17 RC and rmlL-17B R.

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

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

**R&D Systems, Inc.**  
**1-800-343-7475**

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