Anti-mouse IL-18 Rβ (IL-1 R7) Antibody

ORDERING INFORMATION

Catalog Number: AF199

Lot Number: FOJ03

Size: 100 μg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse mIL-18 Rβ

Immunogen: NS0-derived rmIL-18 Rβ extracellular domain

Ig Type: goat IgG

Applications: ELISA
Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse interleukin 18 receptor beta (rmIL-18 Rβ) extracellular domain. Mouse IL-18 Rβ specific IgG was purified by mouse IL-18 Rβ affinity chromatography. IL-18 Rβ, also referred to as Accessory Protein-like (AcPL), is a member of the IL-1 receptor superfamily and is designated IL-1 R7.

Formulation

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

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 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 rmIL-18 Rβ in direct ELISAs and western blots.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 μg/mL with the appropriate secondary reagents to detect mouse IL-18 Rβ. The detection limit for rmIL-18 Rβ is approximately 1 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect mouse IL-18 Rβ. The detection limit for rmIL-18 Rβ is approximately 5 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 40% cross-reactivity with rhIL-18 Rβ, 10% cross-reactivity with rhIL-1 R9 and less than 1% cross-reactivity with rmIL-1 RI, rmIL-1 RII, rhIL-1 R3, rhIL-1 R8, rrIL-1 R6, rmIL-18 R and rmIL-1 R8.

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

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