



ORDERING INFORMATION

Catalog Number: AF5156

Lot Number: CCKF01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: rat IL-2 R α extracellular domain

Immunogen: CHO cell-derived rrIL-2 R α extracellular domain

Ig Type: sheep IgG

Applications: Western blot
Immunocytochemistry
Direct ELISA

Anti-rat IL-2 R α Antibody

Preparation

Produced in sheep immunized with purified, CHO cell-derived, recombinant rat IL-2 R α extracellular domain (rrIL-2 R α ; R&D Systems, Catalog # 5156-RM). Rat IL-2 R α specific IgG was purified by rat IL-2 R α 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 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 rat IL-2 R α in the applications listed below. In direct ELISAs and Western blots, this antibody shows approximately 20% cross-reactivity with rmlL-2 R α , approximately 10% cross-reactivity with rhIL-2 R α , and less than 5% cross-reactivity with rhIL-2 R β .

Applications

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect rat IL-2 R α . The detection limit for rrIL-2 R α is approximately 5 ng/lane under non-reducing and reducing conditions.

Immunocytochemistry - This antibody will detect rat IL-2 R α in cells. The working dilution is 15 µg/mL.

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect rat IL-2 R α . The detection limit for rrIL-2 R α is approximately 0.5 ng/well.

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

 フナコシ株式会社

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1-800-343-7475

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