



#### 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 $\alpha$  extracellular domain

**Immunogen:** CHO cell-derived rrIL-2 R $\alpha$  extracellular domain

**Ig Type:** sheep IgG

**Applications:** Western blot  
Immunocytochemistry  
Direct ELISA

## *Anti-rat IL-2 R $\alpha$ Antibody*

### ***Preparation***

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

### ***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 $\alpha$ . The detection limit for rrIL-2 R $\alpha$  is approximately 5 ng/lane under non-reducing and reducing conditions.

**Immunocytochemistry** - This antibody will detect rat IL-2 R $\alpha$  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 $\alpha$ . The detection limit for rrIL-2 R $\alpha$  is approximately 0.5 ng/well.

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