

# Human IL-2 Rα Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF-223-NA

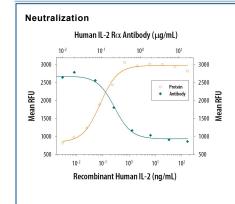
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human IL-2 Rα in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 15% cross-reactivity with recombinant human (rh) IL-2 sRγ is observed, less than 5% cross-reactivity with rhIL-6 sR is observed, and less than 1% cross-reactivity with rhIL-1 sRII and rhIL-2 sRβ is observed. In direct ELISAs, less than 5% cross-reactivity with recombinant mouse IL-2 Rα is observed.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human IL-2 Rα Glu22-Cys213 Accession # P01589		
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.		

#### **APPLICATIONS**

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 μg/mL	Recombinant Human IL-2 Rα (Catalog # 223-2A)
Flow Cytometry	2.5 µg/106 cells	Human whole blood lymphocytes
Neutralization	Measured by its ability to neutralize IL-2-induced proliferation in the N1186 human T cell line. The Neutralization Dose ( $ND_{50}$ ) is typically 0.2-1 $\mu$ g/mL in the presence of 1 ng/mL Recombinant Human IL-2.	

#### DATA



Cell Proliferation Induced by IL-2 and Neutralization by Human IL-2 Rα Antibody. Recombinant Human IL-2 (Catalog # 202-IL) stimulates proliferation in the N1186 human T cell line in a dose-dependent manner (orange line). Proliferation elicited by Recombinant Human IL-2 (1 ng/mL) is neutralized (green line) by increasing concentrations of Human IL-2  $R\alpha$ Antigen Affinity-purified Polyclonal Antibody (Catalog # AF-223-NA). The  $\mathrm{ND}_{50}$  is typically 0.2-1  $\mu$ g/mL.

### PREPARATION AND STORAGE

 Reconstitution
 Reconstitute at 0.2 mg/mL in sterile PBS.

 Shipping
 The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month from date of receipt, 2 to 8 °C, reconstituted.
- 6 months from date of receipt, -20 to -70 °C, reconstituted.

