

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD25/IL-2 R α in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) IL-2 R γ or rhIL-15 R α is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 24212
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human CD25/IL-2 R α Glu22-Cys213 Accession # P01589
Endotoxin Level	<0.10 EU per 1 μ g of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS.

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	1 μ g/mL	Recombinant Human CD25/IL-2 R α Fc Chimera (Catalog # 1020-RL)
Flow Cytometry	2.5 μ g/10 ⁶ cells	Human Treg cells (PBMC treated overnight with anti-human CD3 (10 μ g/mL; Catalog # MAB100), anti-human CD28 (5 μ g/mL; Catalog # MAB342), TGF-beta (10 ng/mL; Catalog # 100-B), and rhIL-2 (20 ng/mL; Catalog # 202-IL).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

IL-2 R α is a type I transmembrane protein that associates with IL-2 R β and the common γ chain to form a high affinity heterotrimeric receptor complex for IL-2. A soluble form of IL-2 R α has been detected in serum.