

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
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied at 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Human Treg cells (PBMC treated overnight with anti-human CD3 (10 µg/mL; Catalog # MAB100), anti-human CD28 (5 µg/mL; Catalog # MAB342), TGF-beta (10 ng/mL; Catalog # 100-B), and rhIL-2 (20 ng/mL; Catalog # 202-IL).

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

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.

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