

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CD25/IL-2 R $\alpha$ in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) IL-2 R $\gamma$ or rhIL-15 R $\alpha$ is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 24212
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human CD25/IL-2 R $\alpha$ Glu22-Cys213 Accession # P01589
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	Supplied 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> 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**

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

**BACKGROUND**

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

**PRODUCT SPECIFIC NOTICES**

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