

**DESCRIPTION**

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse IL-10 R $\beta$ in direct ELISAs.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 547324
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse IL-10 R $\beta$ Ile21-Ser220 Accession # Q61190
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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 $\mu$ g/10 <sup>6</sup> cells	EL-4 mouse lymphoblast cell line

**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-10 R $\beta$  (Interleukin 10 receptor beta; also IL-10R2, CD210b and CRF2-4) is an 80-85 kDa member of the type II cytokine receptor family of proteins. It is very widely expressed and serves as a signal transducing accessory chain when complexed to the ligand-binding chains for IL-10, -22, -28A, -28B, and -29 (plus IL-26 in human). Mature mouse IL-10 R $\beta$  is a type I transmembrane protein with an extracellular domain that possesses two fibronectin type III domains (aa 22-107 and 111-208). There is one alternate start site at Met20. Over aa 21- 220, mouse IL-10 R $\beta$  shares 87% and 74% aa identity with rat and human IL-10 R $\beta$ , respectively.

**PRODUCT SPECIFIC NOTICES**

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