

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IL-10 R β in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 547324
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse IL-10 R β Ile21-Ser220 Accession # Q61190
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 μ g/10 ⁶ cells	EL-4 mouse lymphoblast cell line

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. 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

IL-10 R β (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 β 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 β shares 87% and 74% aa identity with rat and human IL-10 R β , respectively.

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