

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IL-10 R β in direct ELISAs. In direct ELISAs, approximately 20% cross-reactivity with recombinant human (rh) IL-10 R β is observed and less than 1% cross-reactivity with rhIL-10 R and recombinant mouse IL-10
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
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 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

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-10 R2, CD210b and CRF2-4) is a 60-65 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 that is 330 amino acids (aa) in length. It contains a 201 aa extracellular domain (aa 20-220) 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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