

Mouse IL-10 R β Alexa Fluor® 405-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 547324

Catalog Number: FAB53681V

100 μ g

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 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.