

Human IL-28 R α /IFN- λ R1 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 601106

Catalog Number: FAB5260V
100 μ g

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IL-28 R α /IFN- λ R1 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse IL-28 α is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 601106
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human IL-28 R α /IFN- λ R1 Arg21-Ala228 Accession # Q8IU57
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	Daudi human Burkitt's lymphoma cell line and human peripheral blood mononuclear cells (PBMCs) treated with PMA and calcium ionomycin

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-28 R α (IL-28 receptor alpha subunit; also named interferon- λ R1) is a widely-expressed type I transmembrane glycoprotein that is cytokine receptor family 2 member 12 (CRF2-12). It pairs with the IL-10 receptor β subunit (IL-10 R β , CRF2-4) to form the IL-28 R. Its ligands, IL-28A (IFN- λ 2), IL-28B (IFN- λ 3), and IL-29 (IFN- λ 1), are mainly produced by antigen presenting cells in response to viruses. The 520 amino acid (aa) mouse IL-28 R α contains a 208 aa extracellular domain (ECD) with a fibronectin type III motif. The human IL-28 R α ECD shares ~67% aa identity with rat and human IL-28 R α . Isoforms of 491, 437, 322, 283, 244, 211 and 184 aa have alternate N- or C-termini, or lack transmembrane or internal sequences.

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.