

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 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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. <ul style="list-style-type: none"> 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.

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