

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Common γ Chain/IL-2 R γ in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) IL-2 R α , rhIL-2 R β , rhIL-1 RI, rhIL-1 RII, rhIL-4 R, rhIL-6 R, rhIL-7 R, or rhIL-10 R is
Source	Monoclonal Mouse IgG ₁ Clone # 38024
Purification	Protein A or G purified from ascites
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Common γ Chain/IL-2 R γ Leu23-Asn254 Accession # P31785
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

Neutralization 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

The γ chain of the high affinity functional human IL-2 receptor complex belongs to the hematopoietin receptor family. IL-2 R γ is a 369 amino acid residue protein consisting of a 22 residue signal sequence, a 232 residue extracellular domain, a 29 residue transmembrane domain and an 86 residue cytoplasmic domain. Although IL-2 R γ by itself does not bind IL-2 with any appreciable affinity, it is required for IL-2 receptor signaling. Besides IL-2, the γ chain has been shown to be a component of the functional receptor complexes for IL-4, IL-7, IL-9 and IL-15. It has been proposed that IL-2 R γ be designated the common γ chain (γ_c). The site of molecular defects in X-linked SCID (severe combined immunodeficiency) has now been mapped to the IL-2 R γ gene.

PRODUCT SPECIFIC NOTICES

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