

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IL-12 R β 2 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human IL-12 R β 1 or recombinant mouse IL-12 R β 1 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 622509
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human IL-12 R β 2 Lys24-Cys622 Accession # Q99665
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.

Western Blot 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-12 R β 2 is a type I cytokine receptor family protein that associates with IL 12 R β 1 to form a functional high affinity receptor complex for IL-12. The extracellular region of IL 12 R β 2 contains five fibronectin type 3 domains. The cytoplasmic region is alternatively spliced, giving rise to two isoforms. IL-12 R β 2 is up-regulated in Th1 cells during inflammatory responses. The extracellular regions of human and mouse IL-12 R β 2 share 69% amino acid sequence identity.

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