

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IL-13 R α 2 in ELISAs. In sandwich ELISAs, no cross-reactivity or interference was observed with recombinant human (rh) IL-4 R, rhIL-5 R α , rhIL-9 R, rhIL-13, rhIL-13 R α 1, recombinant mouse (rm) IL-13, rmIL-13 R α 1, or rmIL-1
Source	Monoclonal Mouse IgG ₁ Clone # 83807
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human IL-13 R α 2 Cys22-Leu342 Accession # Q14627
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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	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

Two type I membrane proteins belonging to the hemopoietin receptor family have been cloned and shown to bind IL-13 with high affinity. The lower affinity IL-13 binding protein is now referred to as IL-13 R α 1 and is also known as CD213a. IL-13 R α 1 combines with IL-4 R α to form a high affinity receptor complex capable of transducing an IL-13-dependent proliferative signal. The higher affinity IL-13 binding protein, now referred to as IL-13 R α 2, does not induce a signal and acts as a decoy receptor (1, 2).

PRODUCT SPECIFIC NOTICES

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