Human IL-13 Rα2 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 83834

Catalog Number: FAB614V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IL-13 Rα2 in direct ELISAs and Western blots. In Western blots, this antibody shows approximately 5% cross-reactivity with recombinant human (rh) IL-4 R and rhIL-9 R and no cross-reactivity with rhIL-5 Rα, rhIL-5 Rβ,
Source	Monoclonal Mouse IgG_1 Clone # 83834
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human IL-13 Rα2 Cys22-Leu342 Accession # Q14627
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

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 Rα1 and is also known as CD213a. IL-13 Rα1 combines with IL-4 Rα 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 Rα2, does not induce a signal and acts as a decoy receptor.

PRODUCT SPECIFIC NOTICES

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