Human CIS-1 Alexa Fluor® 488-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 989616

Catalog Number: FAB3194G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CIS-1 in direct ELISAs.
Source	Monoclonal Rat IgG_{2A} Clone # 989616
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E.coli*-derived recombinant human CIS-1 Leu11-Leu258 Accession # Q9NSE2
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.*

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

Cytokine Inducible SH2-containing protein (CIS-1) is a 29 kDa protein found in a variety of cell types. Mono or polyubiquitination generally results in a 37 or 45 kDa molecule. CIS-1 binds to phosphorylated cytokine receptors IL-3 Rβ and EPO-R and blocks downstream activation of STAT5 via receptor internalization and ubiquitin-mediated proteosomal degradation. Human CIS-1 is a 258 aa peptide that contains one SH2 domain (aa 82-163) and one SOCS box (aa 218-258). There are two known alternatively spliced variants with a 7- or 13-aa substitution for the 7 N-terminal amino acid residues. Over the region used as immunogen, human CIS-1 is 91% identical to the corresponding mouse and canine protein sequences.

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