

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IL-9 R in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) IL-4 R, rhIL-5 Rα, rhIL-5 Rβ, rhIL-13 Rα1, rhIL-13 Rα2, and recombinant mouse IL-9&
Source	Monoclonal Mouse IgG ₁ Clone # 33449
Purification	Protein A or G purified from ascites
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human IL-9 R Ser41-Pro270 Accession # Q01113
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

The specific high affinity functional IL-9 receptor complex consists of a ligand-specific IL-9 R(α) type I transmembrane subunit and the common γ chain that is shared with the receptors for IL-2, IL-4, IL-7 and IL-15. Both the IL-9 R subunit and the common γ chain are members of the hematopoietin receptor superfamily. Human and mouse IL-9 receptors share 53% amino acid sequence identity, and contain 468 and 533 amino acids, respectively. As a result of alternative splicing, cDNA clones encoding isoforms of IL-9 R, including a putative soluble form, have also been identified. Cells known to express IL-9 R include T cells, neutrophils, mast cells and macrophages.

PRODUCT SPECIFIC NOTICES

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