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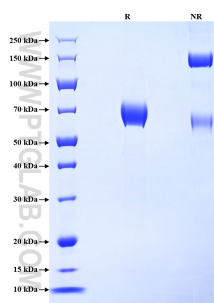
Recombinant Mouse IL-4RA/CD124 protein (rFc Tag)



Catalog Number: Eg2176

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse IL-4RA protein Ile26-Arg233 (Accession# P16382-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 16190</p> <p>Accession: P16382-1</p> <p>Predicted Molecular Mass: 50.7 kDa</p> <p>SDS-PAGE: 60-75 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>IL-4 receptor alpha chain (IL-4RA), also known as CD124, is a transmembrane glycoprotein expressed on a wide variety of hematopoietic and non-hematopoietic cells. It is a receptor for both IL-4 and IL-13. IL-4RA can complex with the common gamma chain (IL-2R gamma or CD132) and utilizes JAK1 and JAK2 for signal transduction, while complexes of IL-4RA with IL-13RA1 subunit mediate signals via JAK2 and Tyk2. The IL-4 response is involved in promoting Th2 differentiation. The IL-4/IL-13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation.</p>		
References	<ol style="list-style-type: none">1. Allison-Lynn Andrews, et al. (2006) J Allergy Clin Immunol. Oct;118(4):858-65.2. A D Keegan, et al. (1994) Cell. Mar 11;76(5):811-20.3. Archana Shankar, et al. (2022) J Allergy Clin Immunol. Aug;150(2):266-276.		
Synonyms	CD124, IL-4 receptor subunit alpha, IL4r, IL-4R subunit alpha, IL4ra		

Selected Validation Data



Purity of Recombinant Mouse IL-4RA was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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