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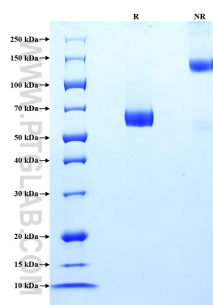
Recombinant Mouse IL-7Ra/CD127 protein (rFc Tag)



Catalog Number: Eg1826

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-7Ra protein Glu21-Asp239 (Accession# P16872) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 16197</p> <p>Accession: P16872</p> <p>Predicted Molecular Mass: 51.3 kDa</p> <p>SDS-PAGE: 58-68 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>CD127, also known as IL-7R subunit alpha (IL-7Rα), is a type I membrane glycoprotein expressed in thymocytes, B cell precursors, most T cells, and some lymphoid and myeloid cells. IL-7R is a heterodimer composed of CD127 and IL-2Rγ (CD132), which is a common gamma chain shared by the receptors of various cytokines, including interleukins 2, 4, 7, 9, and 15. IL-7R plays critical roles in lymphocyte development and homeostasis. CD127 can also act as a receptor for thymic stromal lymphopoietin (TSLP).</p>		
References	<ol style="list-style-type: none">1.Sudo T, et al.(1993) Proc Natl Acad Sci U S A. 90(19):9125-9.2.Noguchi M, et al. (1993) Science. 262(5141):1877-80.3.He YW, et al. (1998) Crit Rev Immunol. 18(6):503-24.4.Abe A, et al. (2015) J Immunol. 195(7):3129-38.5.Park LS, et al.(2000) J Exp Med. 192(5):659-70.		
Synonyms	CD127, IL7r, IL 7Ralpha, IL- 7Ralpha, IL-7 receptor subunit alpha		

Selected Validation Data



Purity of Recombinant Mouse IL-7Ra 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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