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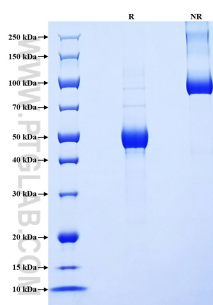
Recombinant Mouse IL-23 p19/IL23A protein (rFc Tag)



Catalog Number: Eg1634

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-23 p19 protein Val22-Ala196 (Accession# Q9EQ14) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 83430</p> <p>Accession: Q9EQ14</p> <p>Predicted Molecular Mass: 45.9 kDa</p> <p>SDS-PAGE: 45-55 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>Interleukin 23 (IL-23) is a member of the IL-12 cytokine family and composed of two subunits, IL-12 p40 and IL-23 p19. It is produced by antigen presenting cells and has been shown to promote the production and survival of a distinct lineage of T-cells called Th17 cells. A functional receptor for IL-23 (the IL-23 receptor) has been identified and is composed of IL-12R β 1 and IL-23R. IL-23 is expressed chiefly by the macrophages and DCs. The IL-23R is found on memory T cells, NKT cells, macrophages, DCs, and naive T cells upon activation by TGF-β and IL-6. The main biological effects of IL-23 identified initially consist of stimulation of antigen presentation by DCs, T cell differentiation to Th17 cells, and production of interferon-γ (IFN-γ). IL-23 acts also as an end-stage effector cytokine through direct action on macrophages. This kit can be used to determine relative mass values for IL-23 p40.</p>		
References	<ol style="list-style-type: none">1.KleinschekMA,etal.(2006).JImmunol.176:1098-106.2.LangrishCL,etal.(2005).JExpMed.201:233-40.3.ParhamC,etal.(2002).JournalofImmunology.168(11):5699-708.4.CuaDJ,etal.(2003).Nature.421:744-8.		
Synonyms	IL-23 p19, IL-23 subunit alpha, IL23a, IL-23A, IL-23-A		

Selected Validation Data



Purity of Recombinant Mouse IL-23 p19 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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