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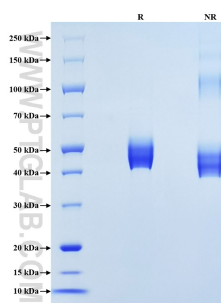
Recombinant Mouse IL-12B/IL-12 p40 protein (His Tag)



Catalog Number: Eg0299

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His 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-12B protein Met23-Ser335 (Accession# P43432) with a His tag at the C-terminus.</p> <p>GeneID: 16160</p> <p>Accession: P43432</p> <p>Predicted Molecular Mass: 36.6 kDa</p> <p>SDS-PAGE: 40-55 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>IL-12p40 is known as a component of the bioactive cytokines interleukin IL-12 and IL-23, which can exist in a monomeric or homodimeric form. IL-12p40 is produced primarily by activated inflammatory cells including macrophages, neutrophils, microglia and dendritic cells (DCs). The most widely appreciated function of IL-12p40 is to provide a negative feedback loop by competitively binding to the IL-12 receptor. Additionally, IL-12p40 can also act as a chemoattractant for macrophages and promote the migration of bacterially stimulated dendritic cells. It is also associated with several pathogenic inflammatory responses such as silicosis, graft rejection.</p>		
References	<ol style="list-style-type: none">1. Cooper AM. et al. (2007). Trends Immunol. 28:33-8.2. Wang SZ. et al. (2004). J Immunol. 173:4040-9.3. Bielekova B. et al. (2012). PLoS One. 7:e48370.4. Xu J. et al. (2016). Cell Death Differ. 23:1941-1951.		
Synonyms	IL12b, Cytotoxic lymphocyte maturation factor 40 kDa subunit, IL 12b, IL 12p40, IL-12 p40		

Selected Validation Data



Purity of Recombinant Mouse IL-12B 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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