

Recombinant Mouse IL23A&IL12B protein, His-tagged

Cat. No. IL23A&IL12B-1614M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL23A&IL12B protein(Q9EQ14-1(IL-23 alpha)&P43432-1(IL-12 beta))(Val22-Ala196(IL23A) & Met23-Ser335(IL12B)), fused with N-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Val22-Ala196(IL23A) & Met23-Ser335(IL12B)
Tag	N-His
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Mouse IL-23R, His Tag immobilized on CM5 Chip can bind Mouse IL-23 alpha&IL-12 beta, His Tag with an affinity constant of 6.31 nM as determined in SPR assay (Biacore T200).
Molecular Mass	The protein has a predicted MW of 20.8 (Mouse IL-23 alpha)&35.8 (Mouse IL-12 beta) kDa. Due to glycosylation, the protein migrates to 22 (Mouse IL-23 alpha)&45-50 (Mouse IL-12 beta) kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.

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Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
GeneID 2	16160

GENE INFORMATION

Gene Name	IL23a interleukin 23, alpha subunit p19 [<i>Mus musculus</i>]
Official Symbol	IL23A
Synonyms	IL23A; interleukin 23, alpha subunit p19; interleukin-23 subunit alpha; IL-23-A; IL-23p19; IL-23 subunit alpha; interleukin-23 subunit p19; p19; IL-23;
Gene ID	83430
mRNA Refseq	NM_031252
Protein Refseq	NP_112542
Gene Name 2	IL12b interleukin 12b [<i>Mus musculus</i>]
Official Symbol 2	IL12B
Synonyms 2	IL12B; interleukin 12b; interleukin-12 subunit beta; CLMF p40; IL-12 p40; IL-12 subunit p40; IL-23 subunit p40; cytotoxic lymphocyte maturation factor 40 kDa

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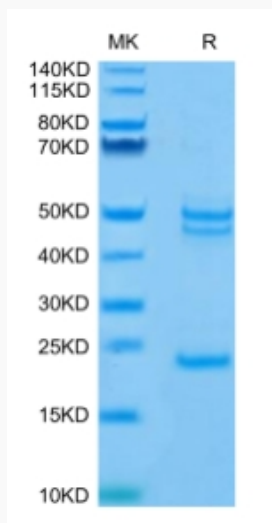
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subunit; p40; IL-12b; IL12p40; IL-12p40;

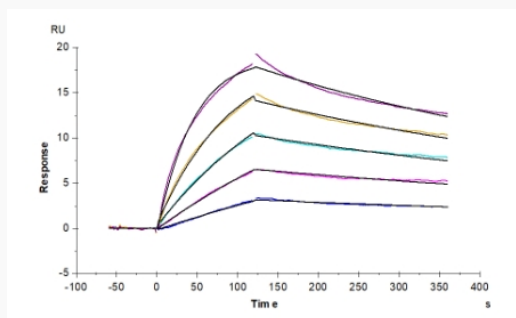
mRNA Refseq 2 [NM_008352](#)

Protein Refseq 2 [NP_032378](#)

Tris-Bis PAGE



SPR Data



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