Recombinant Cynomolgus&Mouse IL23A&IL12B protein, His-tagged

Cat. No. IL23A&IL12B-1612C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus&Mouse IL23A&IL12B protein(A0A2K5TLV4-1(Cynomolgus IL-23 alpha)&P43432-1(Mouse IL-12 beta))(Val22-Pro189(Cynomolgus IL23A) & Met23-Ser335(Mouse IL12B)), fused with N-terminal His tag, was expressed in HEK293.
Species	Cynomolgus&Mouse
Source	HEK293
ProteinLength	Val22-Pro189(Cynomolgus IL23A) & Met23-Ser335(Mouse 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	Immobilized Cynomolgus IL-23 alpha&Mouse IL-12 beta, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human IL-23R, hFc Tag with the EC50 of 57.5ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 19.5 (Cynomolgus IL23 alpha)&35.8 (Mouse IL12 beta) kDa. Due to glycosylation, the protein migrates to 22 (Cynomolgus IL23 alpha)&40-50 (Mouse IL12 beta) kDa based on Tris-Bis PAGE result.

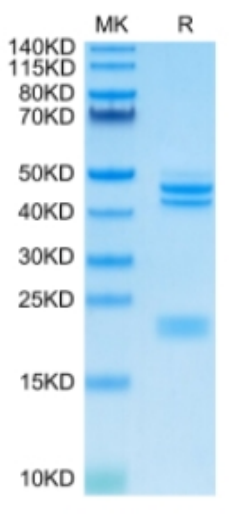
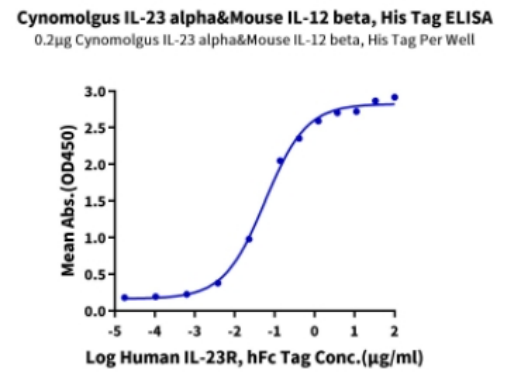
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Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw 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 [Mus musculus]
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 [Mus musculus]
Official Symbol 2	IL12B

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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 subunit; p40; Il-12b; Il12p40; Il-12p40;
mRNA Refseq 2	NM_008352
Protein Refseq 2	NP_032378
Tris-Bis PAGE	
ELISA Data	

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