

Recombinant Mouse IL12A & IL12B protein, His-tagged

Cat. No. IL12A & IL12B-1580M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL12A & IL12B protein(P43431(IL12A)&P43432(IL12B))(Arg23-Ala215(IL12A) & Met23-Ser335(IL12B)), fused with C-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	C-His
ProteinLength	Arg23-Ala215(IL12A) & Met23-Ser335(IL12B)
Tag	C-His
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED50 for this effect is 0.5 - 2 ng/mL.
Molecular Mass	The protein has a predicted MW of 22.80 kDa(IL-12A)&35.79 kDa(IL-12B). Due to glycosylation, the protein migrates to 25-30 kDa(IL-12A)&45-55 kDa(IL-12B) based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC.

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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.
GENE INFORMATION	
Gene Name	IL12a interleukin 12a [<i>Mus musculus</i>]
Official Symbol	IL12A
Synonyms	IL12A; interleukin 12a; interleukin-12 subunit alpha; CLMF p35; IL-12 subunit p35; interleukin 12a p35 subunit; cytotoxic lymphocyte maturation factor 35 kDa subunit; p35; LI12a; IL-12a; IL-12p35; MGC151228; MGC151232;
Gene ID	16159
mRNA Refseq	NM_001159424
Protein Refseq	NP_001152896
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 subunit; p40; IL-12b; IL12p40; IL-12p40;
Gene ID 2	16160

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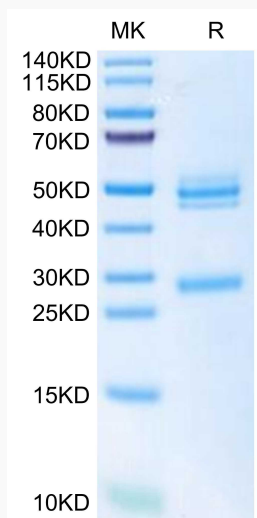
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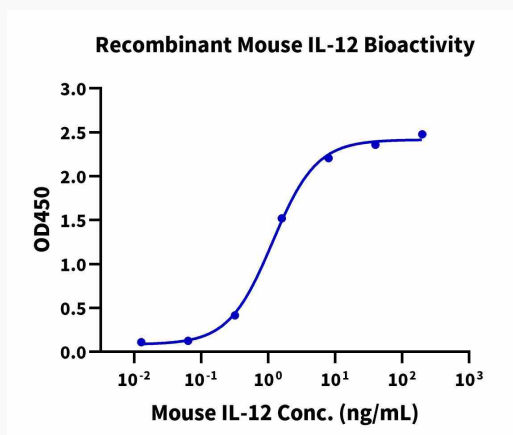
mRNA Refseq 2 NM_008352

Protein Refseq 2 NP_032378

Tris-Bis PAGE



Cell Based Assay



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