Active Recombinant Mouse IL12A & IL12B Heterodimer Protein, Fc-tagged

Cat. No. IL12A & IL12B-1504M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse IL12A (P43431) (Met 1-Ala 215) was fused with the Fc region of human IgG1 at the C-terminus, constructed the plasmid 1. Mouse IL12B (P43432) (Met 1-Ser 335) was fused with the Fc region of human IgG1 at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed in human cells and purified.
Species	Mouse
Source	HEK293
ProteinLength	1-215;1-335 a.a.
Form	Lyophilized Powder
Bio-activity	1. Immobilized mouse mIL12A+mIL12B at 10 μg/ml (100 μl/well) can bind biotinylated human IL12RB1-His, The EC50 of biotinylated human IL12RB1-His is 38.7-90.3 ng/ml. 2. Measured in a cell proliferation assay using Anti-CD3-stimulated PBMC. The ED50 for this effect is typically 0.2-0.8 ng/mL.
Molecular Mass	The recombinant mouse IL12 heterodimer of IL12A/IL12B, both was Fc chimera, comprises 988 (434 + 554) amino acids and has a calculated molecular mass of 111.5 (48.7 + 62.8) kDa. The apparent molecular mass of rh IL12 heterodimer is approximately 55 & 75 kDa respectively in SDS-PAGE under reducing conditions.

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Purity	> 85 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage buffer	PBS, pH 7.4

GENE INFORMATION

Official Symbol	IL12A & IL12B
Synonyms	IL12A; IL12B

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