Active Recombinant Mouse Il12b Protein, His-Tagged

Cat. No. Il12b-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il12b Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Active IL-12 is a p70 disulfide-linked dimer composed of p35 and p40 subunits. The protein is a pleiotropic cytokine produced primarily by antigen presenting cells and has multiple effects on T lymphocytes and natural killer cells in terms of stimulating cytotoxicity, proliferation, production of other cytokines and Th1 subset differentiation.
Form	Lyophilized powder
AA Sequence	MWELEKDVYVVEVDWTPDAPGETVNLTCDTPEEDDITWTSDQRHGVIGSGKTLTIT VKEFLDAGQYTCHKGGETLSHSHLLLHKKENGIWST EILKNFKNKTFLKCEAPNYSGRFTCSWLVQRNMDLKFNIKSSSSSPDSRAVTCGMA SLSAEKVTLDQRDYEKYSVSCQEDVTCPTAEETLPIEL ALEARQQNKYENYSTSFFIRDIIKPDPPKNLQMKPLKNSQVEVSWEYPDSWSTPHSY FSLKFFVRIQRKKEKMKETEEGCNQKGAFLVEKTST EVQCKGGNVCVQAQDRYYNSSCSKWACVPCRVRS with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.
Bio-activity	Measure by its ability to induce proliferation in T-cell enriched PBMC. The ED50 for

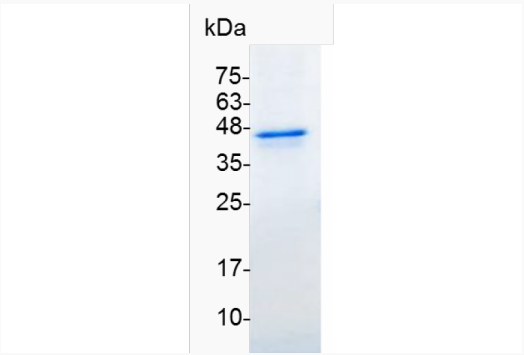
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	this effect is <0.3 ng/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	Il12b interleukin 12b [Mus musculus (house mouse)]
Official Symbol	Il12b
Synonyms	p40; Il-12b; Il12p40; Il-12p40
Gene ID	16160
mRNA Refseq	NM_001303244.1
Protein Refseq	NP_001290173.1
UniProt ID	P43432

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