

Recombinant Mouse IL12B Protein

Cat. No. IL12B-82M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Interleukin-12 is produced by our Mammalian expression system and the target gene encoding Met23-Ser335&Arg23-Ala215 is expressed.
Species	Mouse
Source	Human Cells
ProteinLength	23-335;23-215 a.a.
Description	IL-12 is involved in the differentiation of naive T cells into Th1 cells. It is known as a T cell-stimulating factor, which can stimulate the growth and function of T cells. It stimulates the production of interferon-gamma (IFN- γ) and tumor necrosis factor-alpha (TNF- α) from T cells and natural killer (NK) cells, and reduces IL-4 mediated suppression of IFN- γ . T cells that produce IL-12 have a coreceptor, CD30, which is associated with IL-12 activity. IL-12 plays an important role in the activities of natural killer cells and T lymphocytes. IL-12 mediates enhancement of the cytotoxic activity of NK cells and CD8+ cytotoxic T lymphocytes.
Form	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
AA Sequence	Met23-Ser335&Arg23-Ala215
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Purity	>95%

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Storage	<p>Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.</p> <p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p>
Reconstitution	<p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Statement	<p>Purity: greater than 95% as determined by reducing SDS-PAGE.</p>
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>

GENE INFORMATION

Gene Name	IL12b interleukin 12b [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL12B
Synonyms	IL-12; Interleukin 12; Interleukin-12 subunit alpha; IL-12A; Cytotoxic lymphocyte maturation factor 35 kDa subunit; CLMF p35; IL-12 subunit p35; Interleukin-12 subunit beta; IL-12B; Cytotoxic lymphocyte maturation factor 40 kDa subunit; CLMF p40; IL-12 subunit p40; p40; Il-12b; Il12p40; Il-12p40
Gene ID	16160
mRNA Refseq	NM_001303244.1
Protein Refseq	NP_001290173.1

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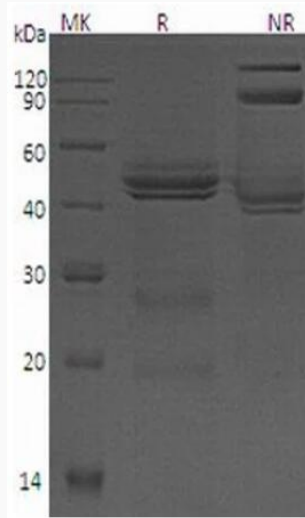
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UniProt ID

P43432

SDS-PAGE



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