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%

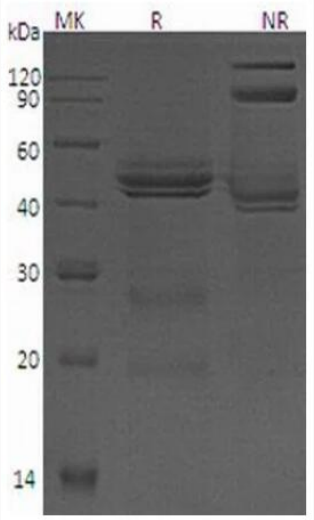
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Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade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

GENE INFORMATION

Gene Name	Il12b interleukin 12b [Mus musculus (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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UniProt ID	P43432
SDS-PAGE	

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