

Datasheet for ABIN7320572

IL12B Protein (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	IL12B
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL12B protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse IL-12 p40/IL-12B Protein (His Tag)
Sequence:	Met23-Ser335
Characteristics:	Recombinant Mouse Interleukin-12 subunit beta is produced by our Mammalian expression system and the target gene encoding Met23-Ser335 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IL12B
Alternative Name:	IL-12 p40/IL-12B (IL12B Products)
Background:	Background: Interleukin-12 subunit beta (IL-12B) belongs to the type I cytokine receptor family. It contains 1 fibronectin type-III domain and 1 Ig-like C2-type domain. IL-12B is a cytokine that

Target Details

acts on T and natural killer cells, and has a broad array of biological activities. IL-12 is a disulfide-linked heterodimer composed of the 40 kD cytokine receptor encoded by IL12B and a 35 kD subunit encoded by IL12A. IL12 is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. It has been found to be important for sustaining a sufficient number of memory/effector Th1 cells to mediate long-term protection to an intracellular pathogen.

Synonym: Interleukin-12 subunit beta, IL-12B, Cytotoxic lymphocyte maturation factor 40 kDa subunit, CLMF p40, IL-12 subunit p40, Il12b

Molecular Weight: 37.1 kDa

UniProt: [P43432](#)

Pathways: [JAK-STAT Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

Handling

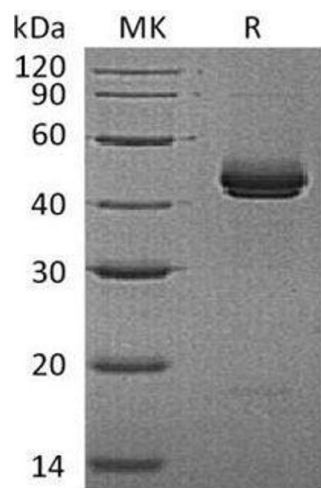
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.