

Active Recombinant Canine IL12B protein, His-tagged

Cat. No. IL12B-03C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine IL12B(Ile23-Ser329) fused with His tag at C-terminal was expressed in NS0.
Species	Canine
Source	Mammalian Cells
ProteinLength	23-329 a.a.
Predicted N Terminal	Ile23
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its ability to compete with biotinylated canine IL-12/IL-23 p40 for binding with immobilized rhIL-12 R beta 1/Fc Chimera in a functional ELISA assay.
Molecular Mass	Predicted Molecular Mass: 36.3 (monomer) kDaSDS-PAGE: 43 kDa, reducing conditions
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after

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reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in sterile PBS.

GENE INFORMATION

Gene Name IL12B interleukin 12B [*Canis lupus familiaris*]

Official Symbol IL12B

Synonyms CLMF p40; IL-12 subunit p40; IL-12B; cytotoxic lymphocyte maturation factor 40 kDa subunit; interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40); interleukin-12 p40 subunit

Gene ID 403976

mRNA Refseq NM_001003292

Protein Refseq NP_001003292

MIM

UniProt ID Q28268

Chromosome Location chromosome: 4

Pathway African trypanosomiasis, organism-specific biosystem; Allograft rejection, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem

Function cytokine activity; interleukin-12 alpha subunit binding

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