

Rev04
Update: Jan,19,2024

DATASHEET

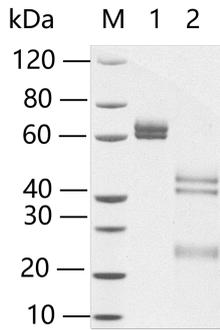
IL-12, Mouse

Cat. No.: Z03211

Product Introduction

Species	Mouse
Protein Construction	<div style="background-color: #0056b3; color: white; padding: 5px; margin-bottom: 5px;">IL-12 p35 (Arg23-Ser215) Accession # P43431</div> <div style="background-color: #0056b3; color: white; padding: 5px;">IL-12 p40 (Met23-Ser335) Accession # P43432</div>
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method
Biological Activity	ED ₅₀ < 0.15 ng/ml, measured in a cell proliferation assay using 2D6 cells.
Expression System	CHO
Apparent Molecular Weight	27~29 kDa (p35), 45~50 kDa (p40), on SDS-PAGE under reducing conditions.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Examples



Lane 1: 2 μ g of IL-12, Mouse, non-reducing (NR)

Lane 2: 2 μ g of IL-12, Mouse, reducing (R)

> 95% as analyzed by SDS-PAGE

Background

Target Background : Interleukin-12 (IL-12), also known as NKSF, TCMF, CLMF and TSF, is a heterodimeric cytokine composed of p35 and p40 subunits. It is produced by monocytes, macrophages, B cells and dendritic cells in response to bacterial lipopolysaccharides and intracellular pathogens. IL-12 signals through the IL-12 receptor complex, which is comprised of IL-12 R β 1 and IL-12 R β 2. IL-12 induces the proliferation and activation of hematopoietic stem cells, natural killer cells and T- cells. It is indispensable during the development of Th1 cells, leading to the production of IFN-gamma and IL-2.

Synonyms : IL12; NKSF; TCMF; CLMF; TSF; CTL maturation factor; Cytotoxic lymphocyte maturation factor

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China