

Product Information

MemDX™ Membrane Protein Human IL12B (Interleukin 12B) for Antibody Discovery

Cat. No.: **MP0828J**

This product is for research use only and is not intended for diagnostic use.

This product is a 34.6 kDa Human IL12B membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

IL12B

Protein Length

Full-length

Protein Class

Druggable Genome, Secreted Protein, Transmembrane

Molecular Weight

34.6 kDa

Sequence

MCHQQLVISWFSVLFLASPLVAIWELKKDVYVVELDWYDPDAPGEMVVLTCDTPEEDGITWTLDQSSEVLG
SGKTLTIQVKEFGDAGQYTCHKGGVLSHSLLLHKKEDGIWSTDILKDQKEPKNKTFLRCEAKNYSGRF
TCWWLTTISTDLTFSVKSSRGSSDPQGVTCGAATLSAERVRGDNKEYEYSVEQCEDSACPAAEESLPIEV
MVDAVHKLKYENYTSSFFIRDIIKPDPPKNLQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQGK
SKREKKDRVFTDKTSATVICRKNASISVRAQDRYYSSSWSEWASVPCS

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

IL12B

Full Name

Interleukin 12B

Introduction

This gene encodes a subunit of interleukin 12, a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. Interleukin 12 is a disulfide-linked heterodimer composed of the 40 kD cytokine receptor like subunit encoded by this gene, and a 35 kD subunit encoded by IL12A. This cytokine is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. This cytokine 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.

Overexpression of this gene was observed in the central nervous system of patients with multiple sclerosis (MS), suggesting a role of this cytokine in the pathogenesis of the disease. The promoter polymorphism of this gene has been reported to be associated with the severity of atopic and non-atopic asthma in children.

Alternative Names

CLMF; NKSF; CLMF2; IMD28; IMD29; NKSF2; IL-12B

Gene ID

[3593](#)

UniProt ID

[P29460](#)