

Product Information

MemDX™ Antibody Discovery - Human IL-10 (19-178) Membrane Protein, Partial, His- tag

Cat. No.: **MP0344F**

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

This membrane protein is Human IL-10 (19-178). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

IL-10

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 19.5 kDa. The protein migrates as 19 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Ser 19 - Asn 178 (Accession # NP_000563.1).

Product Description

Application

SDS-PAGE

Expression Systems

HEK293

Tag

His tag at the N-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

Target**Target Protein**

IL-10

Full Name

interleukin 10

Introduction

The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

Alternative Names

CSIF; TGIF; GVHDS; IL-10; IL10A; interleukin-10; T-cell growth inhibitory factor; cytokine synthesis inhibitory factor

Gene ID

[3586](#)

UniProt ID

[Q13651](#)