

## Product Information

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

Cat. No.: **MP0343F**

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

This membrane protein is Mouse 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

Mouse

##### Target Protein

IL-10

##### Protein Length

ECD

##### Molecular Weight

The protein has a calculated MW of 19.6 kDa. The protein migrates as 21 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

##### Sequence

AA Ser 19 - Ser 178 (Accession # NP\_034678).

#### 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**

>92% 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**

This gene encodes an anti-inflammatory cytokine that is a member of the class-2 cytokine family. The encoded protein is secreted by cells of both the innate and adaptive immune systems and is crucial for limiting the immune response to a broad range of pathogens. It also has been shown to suppress autoimmune responses. This protein mediates its immunosuppressive signal through a specific interleukin 10 receptor complex. Aberrant functioning of this gene is associated with numerous immune disorders including graft-versus-host disease, and increased susceptibility to HIV-1 infection and rheumatoid arthritis.

**Alternative Names**

IL-; CSIF; IL-10; interleukin-10; cytokine synthesis inhibitory factor

**Gene ID**

[16153](#)

**UniProt ID**

[Q61727](#)