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Product Information

MemDX™ Antibody Discovery - Mouse TNF-alpha (80-235) Membrane Protein, Partial, -His - Avi tag, [Biotin]

Cat. No.: **MP0493F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Mouse TNF-alpha (80-235). It has been tested in SDS-PAGE, ELISA, SEC-MALS. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Mouse

Target Protein
TNF-alpha

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 20.2 kDa. The protein migrates as 21 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Leu 80 - Leu 235 (Accession # P06804).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA, SEC-MALS

Expression Systems
HEK293

Tag
His tag at the C-terminus, followed by an Avi tag.

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 reduced 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 coditions after reconstitution after storage at -80°C.

Target

Target Protein

TNF-alpha

Full Name

tumor necrosis factor

Introduction

This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. Members of this family are classified based on primary sequence, function, and structure. This protein is synthesized as a type-II transmembrane protein and is reported to be cleaved into products that exert distinct biological functions. It plays an important role in the innate immune response as well as regulating homeostasis but is also implicated in diseases of chronic inflammation. In mouse deficiency of this gene is associated with defects in response to bacterial infection, with defects in forming organized follicular dendritic cell networks and germinal centers, and with a lack of primary B cell follicles. Alternative splicing results in multiple transcript variants.

Alternative Names

DI; Tn; DIF; TNF-; Tnfa; Tnfs; TNF-a; TNFSF2; Tnlg1f; Tnfsf1a; TNFalpha; TNF-alpha; tumor necrosis factor; cachectin; tumor necrosis factor ligand 1f; tumor necrosis factor ligand superfamily member 2; tumor necrosis factor-alpha

Gene ID

21926

UniProt ID

P06804