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Product Information

MemDX™ Antibody Discovery - Human Angiopoietin-like 4 / ANGPTL4 (166-406) Membrane Protein, Partial, His- tag

Cat. No.: **MP0927F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human Angiopoietin-like 4 / ANGPTL4 (275-496). 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
Angiopoietin-like 4 / ANGPTL4

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 27.9 kDa. The protein migrates as 33-38 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Pro 166 - Ser 406 (Accession # Q9BY76-1).

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 50 mM MOPS, 100 mM NaCl, pH7.2. 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

Angiopoietin-like 4 / ANGPTL4

Full Name

angiopoietin like 4

Introduction

This gene encodes a glycosylated, secreted protein containing a C-terminal fibrinogen domain. The encoded protein is induced by peroxisome proliferation activators and functions as a serum hormone that regulates glucose homeostasis, lipid metabolism, and insulin sensitivity. This protein can also act as an apoptosis survival factor for vascular endothelial cells and can prevent metastasis by inhibiting vascular growth and tumor cell invasion. The C-terminal domain may be proteolytically-cleaved from the full-length secreted protein. Decreased expression of this gene has been associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4.

Alternative Names

NL2; ARP4; FIAF; HARP; PGAR; HFARP; TGQTL; UNQ171; pp1158; angiopoietin-related protein 4; PPARG angiopoietin related protein; fasting-induced adipose factor; hepatic angiopoietin-related protein; hepatic fibrinogen/angiopoietin-related protein; peroxisome proliferator-activated receptor (PPAR) gamma induced angiopoietin-related protein

Gene ID

51129

UniProt ID

Q9BY76

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