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Product Information

MemDX™ Antibody Discovery - Human Angiopoietin-2 / ANGPT2 (275-496) Membrane Protein, Partial, His- tag

Cat. No.: **MP0926F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human Angiopoietin-2 / ANGPT2 (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-2 / ANGPT2

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 26.3 kDa. The protein migrates as 30-33 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Lys 275 - Phe 496 (Accession # AAI26201.1).

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 20 mM MOPS, 150 mM NaCl, pH7.5. 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-2 / ANGPT2

Full Name

angiopoietin 2

Introduction

This gene belongs to the angiopoietin family of growth factors. The protein encoded by this gene is an antagonist of angiopoietin 1, and both angiopoietin 1 and angiopoietin 2 are ligands for the endothelial TEK receptor tyrosine kinase. Angiopoietin 2 is upregulated in multiple inflammatory diseases and is implicated in the direct control of inflammation-related signaling pathways. The encoded protein affects angiogenesis during embryogenesis and tumorigenesis, disrupts the vascular remodeling ability of angiopoietin 1, and may induce endothelial cell apoptosis. This gene serves a prognostic biomarker for acute respiratory distress syndrome.

Alternative Names

ANG2; AGPT2; angiopoietin-2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a

Gene ID

285

UniProt ID

O15123

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