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# Product Information

## MemDX™ Antibody Discovery - Human Ephrin-A1 / EFNA1 (19-182) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP1376F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human Ephrin-A1 / EFNA1 (19-182). 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**
Ephrin-A1 / EFNA1

**Protein Length**
ECD

**Molecular Weight**
The protein has a calculated MW of 46.0 kDa. As a result of glycosylation, the protein migrates as 53-57 kDa under reducing (R) condition, and 100-115 kDa under non-reducing (NR) condition (SDS-PAGE).

**Sequence**
AA Asp 19 - Ser 182 (Accession # P20827-1).

## Product Description

**Application**
SDS-PAGE

**Expression Systems**
HEK293

**Tag**
Human IgG1 Fc tag at the C-terminus

**Protein Format**
Soluble

**Form**
LYOPH

**Reconstitution**


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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 Tris, 100 mM Glycine, 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

Ephrin-A1 / EFNA1

### Full Name

ephrin A1

### Introduction

This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNA class ephrin which binds to the EPHA2, EPHA4, EPHA5, EPHA6, and EPHA7 receptors. Two transcript variants that encode different isoforms were identified through sequence analysis.

### Alternative Names

B61; EFL1; GMAN; ECKLG; EPLG1; LERK1; LERK-1; TNFAIP4; ephrin-A1; TNF alpha-induced protein 4; eph-related receptor tyrosine kinase ligand 1; epididymis secretory sperm binding protein; gastric cancer metastasis associated long noncoding RNA; immediate early response protein B61; ligand of eph-related kinase 1; tumor necrosis factor, alpha-induced protein 4

### Gene ID

1942

### UniProt ID

P20827


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