

Product Information

MemDX™ Antibody Discovery - Human EphB4 (16-539) Membrane Protein, Partial, -His tag, [Biotin]

Cat. No.: **MP1391F**

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

This membrane protein is Human EphB4 (16-539). 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

EphB4

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 57.9 kDa. The protein migrates as 65-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Leu 16 - Ala 539 (Accession # NP_004435.3) . .

Product Description

Application

SDS-PAGE

Expression Systems

HEK293

Tag

His tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Conjugation

Biotin

Purity

>97% 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**

EphB4

Full Name

EPH receptor B4

Introduction

Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. 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. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene binds to ephrin-B2 and plays an essential role in vascular development.

Alternative Names

HTK; MYK1; HFASD; CMAVM2; LMPHM7; TYRO11; ephrin type-B receptor 4; ephrin receptor EphB4; hepatoma transmembrane kinase; soluble EPHB4 variant 1; soluble EPHB4 variant 2; soluble EPHB4 variant 3; tyrosine-protein kinase TYRO11; tyrosine-protein kinase receptor HTK

Gene ID

[2050](#)

UniProt ID

[P54760](#)