

Product Information

MemDX™ Membrane Protein Human EPCAM (Epithelial cell adhesion molecule) with C-His tag for Antibody Discovery

Cat. No.: **MP1316J**

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

This product is a 28.4 kDa Human EPCAM membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

EPCAM

Protein Length

Partial (24-265aa)

Protein Class

ES Cell Differentiation/IPS, Transmembrane

Molecular Weight

28.4 kDa

TMD

1

Sequence

QEECVCEYKLAIVNCFVNNNRQCQCTSVGAQNTVICSKLAACKLVMK
AEMNGSKLGRRAKPEGALQNDGLYDPDCDESGLFKAKQCNGTSTCWCVNTAGVRRTDKDTEITCSERV
TYWIIIELKHKAREKPYDSKSLRTALQKEITTRYQLDPKFITSILYENNVITIDLVQNSSQKTQNDVDIA
DVAYYFEKDVKGESLFHSHKMDLTVNGEQLDLDPGQTLYIYVDEKAPEFSMQGLK

Product Description

Expression Systems

HEK293

Tag

C-His

Form

Liquid

Endotoxin

<0.1 EU/μg

Purity

>95% as determined by SDS-PAGE and Coomassie blue staining

Buffer

0.2 μM filtered solution of 20mM Phosphate buffer, 150mM NaCl, pH 7.2

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

EPCAM

Full Name

Epithelial cell adhesion molecule

Introduction

This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy.

Alternative Names

ESA; KSA; M4S1; MK-1; DIAR5; EGP-2; EGP40; KS1/4; MIC18; TROP1; EGP314; HNPCC8; TACSTD1; adenocarcinoma-associated antigen; cell surface glycoprotein Trop-1; epithelial glycoprotein 314

Gene ID

[4072](#)

UniProt ID

[P16422](#)