

Product Information

MemDX™ Membrane Protein Human EPCAM (Epithelial cell adhesion molecule) Full Length

Cat. No.: **MPC3544K**

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

This product is a made-to-order 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

Full length

Protein Class

Receptor

TMD

1

Sequence

MAPPQVLAFLGLLLAAATATFAAAQEEVCENYKLAVNCFVNNNRQCQCTS
VGAQNTVICSKLAAKCLVMKAEMNGSKLGRRAKPEGALQNNDGLYDPDCD
ESGLFKAQKCNGTSMCWCVNNTAGVRRTDKDTEITCSERVRTYWIIELKH
KAREKPYDSKSLRTALQKEITTRYQLDPKFITSILYENNVITIDLQNSS
QKTQNDVDIADVAYYFEKDVKGESLFHSHKMDLTVNGEQLDLDPGQTLIY
YVDEKAPEFSMQGLKAGVIAVIVVVIAVVAGIVVLVISRKKRMAKYEKA
EIKEMGEMHRELNA

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

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

EPCAM; 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; human epithelial glycoprotein-2; major gastrointestinal tumor-associated protein GA733-2; membrane component, chromosome 4, surface marker (35kD glycoprotein); trophoblast cell surface antigen 1; tumor-associated calcium signal transducer 1; Epithelial cell adhesion molecule

Gene ID

[4072](#)

UniProt ID

[P16422](#)