

Product Information

MemDX™ Antibody Discovery - Human CEACAM-5 / CD66e (35-685) Membrane Protein, Partial, -His tag

Cat. No.: **MP1079F**

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

This membrane protein is Human CEACAM-5 / CD66e (35-685). 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

CEACAM-5 / CD66e

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 72.2 kDa. The protein migrates as 100-130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Lys 35 - Ala 685 (Accession # P06731).

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

Purity

>95% 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

CEACAM-5 / CD66e

Full Name

CEA cell adhesion molecule 5

Introduction

This gene encodes a cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins. The encoded protein is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally, the encoded protein may regulate differentiation, apoptosis, and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants.

Alternative Names

CEA; CD66e; carcinoembryonic antigen-related cell adhesion molecule 5; carcinoembryonic antigen related cell adhesion molecule 5; meconium antigen 100

Gene ID

[1048](#)

UniProt ID

[P06731](#)