

# Product Information

## MemDX™ Membrane Protein Human CEACAM3 (CEA cell adhesion molecule 3) for Antibody

### Discovery

Cat. No.: **MP0521J**

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

This product is a 23.4 kDa Human CEACAM3 membrane protein expressed in HEK293T. 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

CEACAM3

#### Protein Length

Full-length

#### Protein Class

Transmembrane

#### Molecular Weight

23.4 kDa

#### TMD

1

#### Sequence

MGPPSASPHRECIPWQGGLLLTASLLNFWNPPTTAKLTIESMPLSVAEGKEVLLL VHNLPQH LFGYSWYKG  
ERVDGNSLIVGYVIGTQQATPGAAYSGRETIYTNASLLIQNVTQNDIGFYTLQVIKSDLVNEEATGQFHV  
YQENAPGLPVGAVAGIVTGVLVGVALVAALVCFLLLAKTGRTSIQRDLKEQQPQALAPGRGPSHSSAFSM  
SPLSTAQAPLPNPRTAASIYEELLKHD TN IYCRMDHKA EVAS

### Product Description

#### Expression Systems

HEK293T

#### Tag

C-Myc/DDK

#### Form

Liquid

**Purification**

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

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

**Target****Target Protein**

CEACAM3

**Full Name**

CEA cell adhesion molecule 3

**Introduction**

This gene encodes a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The encoded transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling human-specific pathogens by the innate immune system. Alternatively spliced transcript variants have been described.

**Alternative Names**

CEA; CGM1; W264; W282; CD66D

**Gene ID**

[1084](#)

**UniProt ID**

[P40198](#)