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# Product Information

## MemDX™ Membrane Protein Human CEACAM3 (CEA cell adhesion molecule 3) Expressed *in vitro E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX3749K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human CEACAM3 membrane protein expressed *in vitro E.coli* expression system. 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 of Mature Protein

**Protein Class**
Receptor

**TMD**
1

**Sequence**
KLTIESMPLSVAEGKEVLLLVHNLPQHLFGYSWYKGERVDGNSLIVGYVIGTQQATPGAAYSGRETIYTNASLLIQNVTQNDIGFYTL

## Product Description

**Expression Systems**
*in vitro E.coli* expression system

**Tag**
10xHis tag at the N-terminus

**Protein Format**
Soluble

**Form**
Liquid or Lyophilized powder

**Buffer**

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

## 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

CEACAM3; CEA; CGM1; W264; W282; CD66D; carcinoembryonic antigen-related cell adhesion molecule 3; CD66d antigen; carcinoembryonic antigen CGM1; carcinoembryonic antigen gene family member 1; carcinoembryonic antigen related cell adhesion molecule 3; nonspecific cross-reacting antigen; CEA cell adhesion molecule 3

### Gene ID

1084

### UniProt ID

P40198

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