

Product Information

MemDX™ Membrane Protein Human CEACAM3 (CEA cell adhesion molecule 3) Expressed in NS0 for Antibody Discovery, Partial (35-155aa)

Cat. No.: **MPX0407K**

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

This product is a 14 kDa Human CEACAM3 membrane protein expressed in NS0. 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

Partial (35-155aa)

Protein Class

Receptor

Molecular Weight

14 kDa

TMD

1

Sequence

KLTIESMPLSVAEGKE
VLLLVHNLPPQHLLFGYSWYKGERVDGNSLIVGYVIGTQQATPGAAYSGRET
IYTNASLLIQNVTQNDIGFYTLQVIKSDLVNEEATGQFHVYQENAPGLPV
GAVAG

Product Description

Activity

Yes

Expression Systems

NS0

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 500 µg/mL in PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

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](#)