PRODUCT INFORMATION

Target CEACAM5 CEA; CD66e **Synonyms**

Recombinant human CEACAM5(496-685) Protein **Description**

with C-terminal 10×His tag

Delivery In Stock **Uniprot ID** P06731 **Expression Host HEK293**

Tag C-10×His tag

Molecular Characterization

CEACAM5(Val496-Ala685) 10×His tag

The protein has a predicted molecular mass of **Molecular Weight** 21.7 kDa after removal of the signal peptide.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

staining.

Formulation & Reconstitution

Purity

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

Storage & Shipping

Background

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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. [provided by RefSeq, Jul 2015]

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Usage Research use only Conjugate Unconjugated



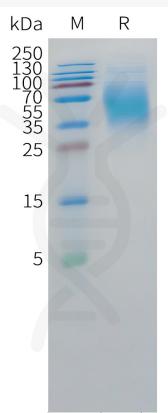


Figure 1. Human CEACAM5(496-685) Protein, His Tag on SDS-PAGE under reducing condition.

Human CEACAM5(496-685), His Tagged protein ELISA

0.2 μg of Human CEACAM5(496-685), His tagged protein per well

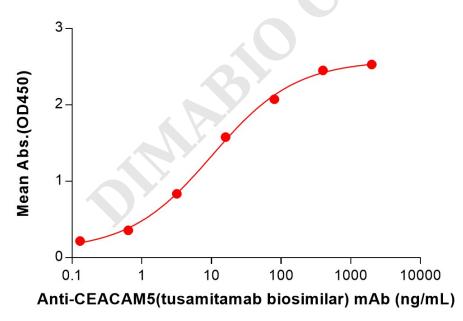


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human CEACAM5(496-685) Protein, His Tag (PME101496) can bind Anti-CEACAM5(tusamitamab biosimilar) mAb (BME100195) in a linear range of 0.13–80 ng/mL.



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