Cat. No. PME101572



PRODUCT INFORMATION

CEACAM5 **Target Synonyms** CEA; CD66e

Recombinant human CEACAM5(233-322) Protein **Description**

with C-terminal human Fc tag

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

Tag C-Human Fc tag

Molecular

Molecular Weight

Storage & Shipping

Background

CEACAM5(Val233-Pro322) hFc(Glu99-Ala330) Characterization

> The protein has a predicted molecular mass of 35.9 kDa after removal of the signal peptide. The apparent molecular mass of CEACAM5(233-322)-

hFc is approximately 35-70 kDa due to

glycosylation.

The purity of the protein is greater than 95% as Purity determined by SDS-PAGE and Coomassie blue

staining.

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

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in

lyophilized form. After reconstitution, if not 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]

Email: info@dimabio.com Website: www.dimabio.com

Usage Research use only

Conjugate Unconjugated





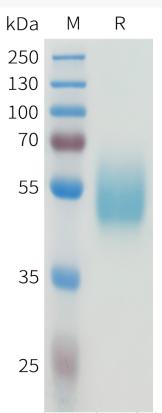


Figure 1. Human CEACAM5(233-322) Protein, hFc Tag on SDS-PAGE under reducing condition.

Human CEACAM5(233-322), hFc Tagged protein ELISA

0.2 μg of Human CEACAM5(233-322), hFc tagged protein per well

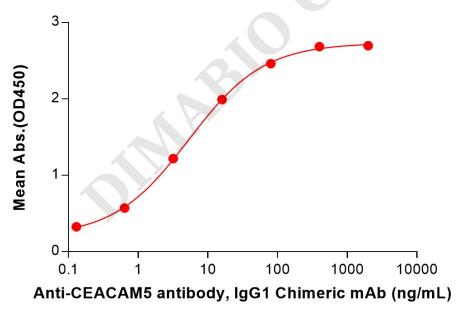


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human CEACAM5(233-322) Protein, hFc Tag (PME101572) can bind Anti-CEACAM5 antibody, IgG1 Chimeric mAb in a linear range of 0.64–80 ng/mL.



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