

**PRODUCT INFORMATION**

<b>Target</b>	CEACAM5
<b>Synonyms</b>	CEA; CD66e
<b>Description</b>	Recombinant human CEACAM5(233-322) Protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P06731
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc tag
<b>Molecular Characterization</b>	CEACAM5(Val233-Pro322) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	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.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



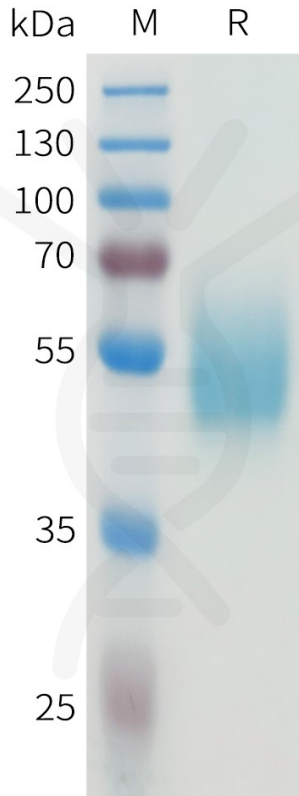


Figure 1. Human CEACAM5(233-322) Protein, hFc Tag on SDS-PAGE under reducing condition.

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

0.2  $\mu$ g of Human CEACAM5(233-322), hFc tagged protein per well

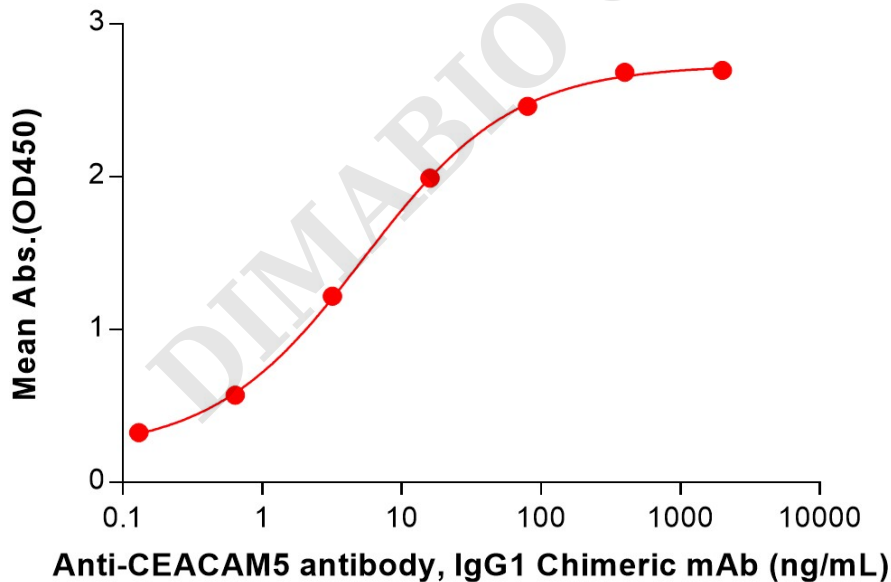


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CEACAM5(233-322) Protein, hFc Tag (PME101572) can bind Anti-CEACAM5 antibody, IgG1 Chimeric mAb in a linear range of 0.64-80 ng/mL.

