PRODUCT INFORMATION

Target	CEACAM5
Synonyms	CEA; CD66e
Description	Recombinant human CEACAM5(496-685) Protein 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
Molecular Weight	The protein has a predicted molecular mass of 21.7 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
Storage&Shipping	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.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

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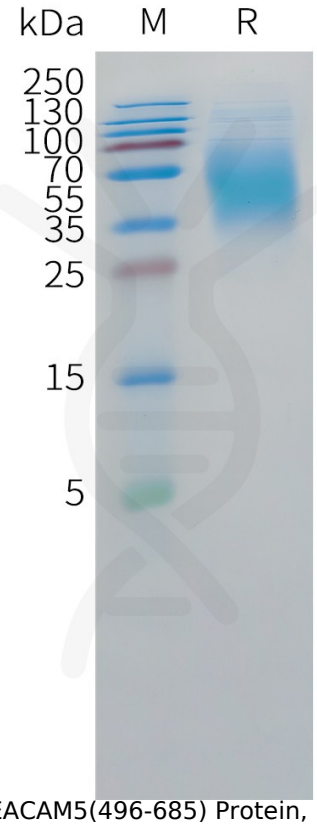

Figure 1. Human CEACAM5(496-685) Protein, His Tag on SDS-PAGE under reducing condition.

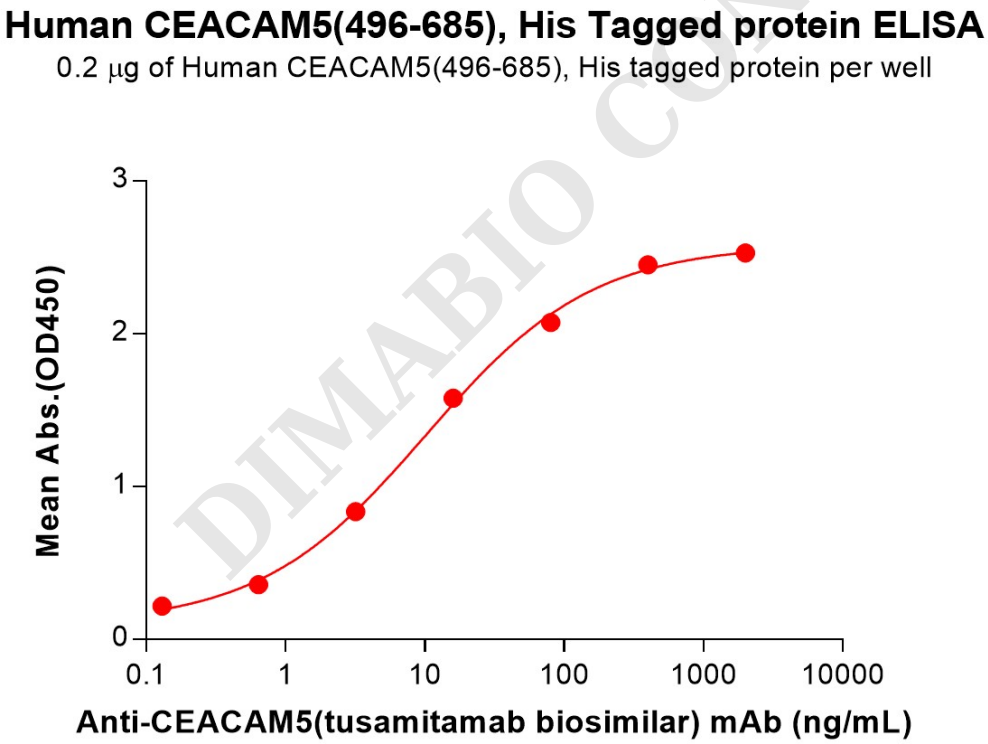

Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CEACAM5(496-685) Protein, His Tag (PME101496) can bind Anti-CEACAM5(tusamitamab biosimilar) mAb (BME100195) in a linear range of 0.13–80 ng/mL.

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