

## HUMAN CEACAM5 PROTEIN, HIS TAG

货号: 11194

产品全名: 人 CEACAM5 蛋白

规格: 10/50/100  $\mu$ g

基因符号 CEACAM-5;D66e;EA;eonium antigen 100

目标蛋白: CEACAM5

**UNIPROT ID:** P06731

**描述:** Recombinant human CEACAM5 protein with C-terminal 6xHis tag

**背景:** 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.

**物种/宿主:** HEK293

**分子量:** The protein has a predicted molecular mass of 72.2 kDa after removal of the signal peptide. The apparent molecular mass of CEACAM5-His is approximately 100–130 kDa due to glycosylation.

**分子特征:** CEACAM5(Lys35-Ala685) 6 $\times$ His tag

**纯化:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**储存和运输:** Store at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at  $-80^{\circ}\text{C}$  (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

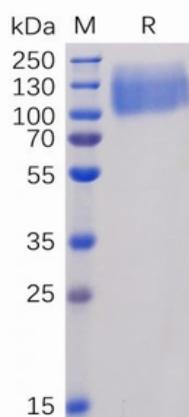


Figure 1. Human CEACAM5 Protein, His Tag on SDS-PAGE under reducing condition.

### Human CEACAM5, His Tagged protein ELISA

0.2  $\mu$ g of CEACAM5, His Tagged protein per well

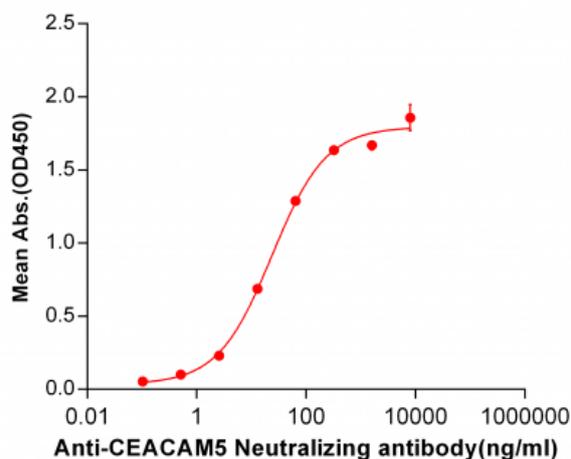


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human CEACAM5, His tagged protein (11194) can bind Anti-CEACAM5 Antibody 28044 in a linear range of 2.56–320 ng/ml.



# Product Description

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