

## 32-8780: Recombinant Human CEACAM5/CD66e/CEA (C-Fc)

**Gene :** CEACAM5

**Gene ID :** 1048

**Uniprot ID :** P06731

### Description

Source: Human Cells.

MW :98.9kD.

Recombinant Human CEACAM5 is produced by our Mammalian expression system and the target gene encoding Lys35-Ala685 is expressed with a Fc tag at the C-terminus. Carcinoembryonic antigen-related cell adhesion molecules (CEACAMs) belong to a group of mammalian immunoglobulin related glycoproteins. They play critical roles in cell-cell recognition. CEACAM5, also called CEA and CD66e, is characterized by having seven extracellular Ig domains and a glycosylphosphatidylinositol (GPI) anchor. CEACAM5 is expressed primarily by epithelial cells, and functions as a calcium-independent adhesion molecule through homophilic and heterophilic interactions with CEACAM1. Studies have shown that CEACAM5 is overexpressed in a majority of carcinomas, and its overexpression can protect tumor cells from apoptosis. It is commonly used as a cancer marker.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** KLTIESTPFNVAEGKEVLLLVHNLQPQLFGYSWYKGERVDGNRQIIGYVIGTQQATPGPAYSGREIYPNASLLIQ NIIQNDTGFYTLHVIKSDLVNEEATGQFRVPELPKPSISSNNSKPVEDKDAVAFTCEPETQDATYLWVWVNNQS LPVSPRLQLSNGNRTLTLFNVTRNDTASYKCETQNPVSARRSDSVILNVLYGPDAPTISPLNTSYRSGENLNLSC HAASNPPAQYSWFVNGTFQQSTQELFIPNITVNNSGSYTCQAHNSDTGLNRRTVTITVYAEPPKPFITSNNSNP VEDEDAVALTCEPEIQNTTYLWVWVNNQSLPVSPRLQLSNDNRTLTLVTRNDVGPYECGIQNELSVDHSDPVI LNVLYGPDPTISPSYTYRPGVNLSSCHAASNPPAQYSWLIDGNIQQHTQELFISNITEKNSGLYTCQANNSA SGHSRTTVKTITVSAELPKPSISSNNSKPVEDKDAVAFTCEPEAQNTTYLWVWVNGQSLPVSPRLQLSNGNRTL LFNVTRNDARAYVCGIQNSVSANRSDPVTLDVLYGPDTPPIISPPDSSYLSGANLNLSSCHASANPSQYSWRINGI PQQHTQVLFIAKITPNNNGTYACFVSNLATGRNNSIVKSITVSASGTSPGLSAVDDIEGRMDEPKSCDKTHTCPP CPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRV VSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDI AVEWESNGQPENNYKTTTPVLDSDGSEFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.