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Product datasheet for TP724798

CEACAM5 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CEACAM5/CD66e/CEA (C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Lys35-Ala685
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4
Note:	Recombinant Human Carcinoembryonic Antigen-Related Cell Adhesion Molecule 5 is produced by our Mammalian expression system and the target gene encoding Lys35-Ala685 is expressed with a 6His tag at the C-terminus.
Storage:	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 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	1048
UniProt ID:	P06731
Synonyms:	Carcinoembryonic antigen-related cell adhesion molecule 5; Carcinoembryonic antigen; CEA; Meconium antigen 100; CD66e; CEACAM5
Summary:	CEACAM5, also known as CEA or D66e, is a member of the large CEACAM subfamily of immunoglobulin superfamily. CEACAM5 is expressed predominantly by epithelial cells. CEACAM5 contains one Ig-like V-type domain at the N-terminus, followed by six Ig-like C2-type domain and a GPI anchor, and exists as a homodimer. CEACAM5 and CEACAM6 are overexpressed in various cancers and are associated with adhesion and invasion. CEACAM5 can regulate cell-cell adhesion through homotypic and heterotypic interactions. It functions as a homotypic intercellular adhesion molecule and serves as a commonly used tumor marker, since it is expressed at higher levels in tumorous tissues than in corresponding normal tissues. CEACAM5 has also been found to contribute to tumorigenicity by inhibiting cellular differentiation. Furthermore, CEACAM5 is identified as the host receptor for the Dr family of adhesins of E.coli, and the binding of E.coli Dr adhesins leads to dissociation of the CEACAM5 homodimer.

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