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Recombinant Human CEACAM5/CEA Protein (Fc Tag)

Catalog No. PKSH032237

SynonymsCarcinoembryonic antigen-related cell adhesion molecule 5; CEACAM5; Carcinoembryonic antigen; CEA; Meconium antigen 100; CD66eSpeciesHumanExpression_hostHuman CellsSequenceLys35-Ala685AccessionP06731Mol_Mass98.9 kDaAP_Mol_Mass155-180 kDaTagC-FcPropertiesPurity> 95 % as determined by reducing SDS-PAGE.Endotoxin< 1.0 EU per µg as determined by the LAL method.	Description	
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Background

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.

Elabscience[®] SDS-PAGE

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