

Recombinant Human CEACAM3 / CD66d Protein (His tag)

Cat.NO.: TP07049

3th Edition

Synonyms:CD66D;CEA;CGM1;MGC119875;W264;W282

Description:CeACAM3 (CD66d), a member of carcinoembryonic antigen family, is a granulocyte-specific receptor involved in the opsonin-independent recognition of several bacterial pathogens. There are four members in this family: CD66a, CD66b, CD66c, and CD66d. Members of CEACAM family are widely expressed especially on human neutrophils, and, depending on the tissue, capable of regulating diverse functions including tumor promotion, tumor suppression, angiogenesis, and neutrophil activation. Abnormal overexpression and downregulation of some CEACAMs have been described in tumor cells. Monoclonal antibodies grouped in the CD66 cluster recognize CEACAM members. Ectopic CD66 expression is commonly detected in B-cell lineage acute lymphoblastic leukemia (ALL). CEACAM3 mediates phagocytosis depends on the integrity of an ITAM-like sequence within the cytoplasmic domain of CEACAM3. CEACAM3 is characterized by rapid stimulation of the GTPase Rac.

Form:PBS

Molecular Weight:14.5 kDa

Sequences:Met 1-Gly 155

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.