
Product Data Sheet

Product Name: CEACAM3 Human
 Cat. No.: GP23111
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Carcinoembryonic Antigen-Related Cell Adhesion Molecule 3; Carcinoembryonic Antigen CGM1; CD66d Antigen ; CD66D; CGM1; Carcinoembryonic Antigen Gene Family Member 1; Nonspecific Cross-Reacting Antigen; W264; W282; CEA; CEACAM3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSKLTIESM PLSVAEGKEV LLLVHNLPQH LFGYSWYKGE RVDGNSLIVG YVIGTQQATP GAAYSGRETI YTNASLLIQN VTQNDIGFYT LQVIKSDLVN EEATGQFHVY QENAPGLPVG AVAG.		
Formulation	CEACAM3 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4) and 20% glycerol.		

Introduction

Carcinoembryonic Antigen-Related Cell Adhesion Molecule 3, also known as CEACAM3, is a member of the immunoglobulin super family. The genes in this family encode cell adhesion proteins, which are expressed at higher levels in tumorous tissues rather than in normal tissues. CEACAM3 plays a significant part in the clearance of pathogens through the innate immune system. In addition, CEACAM3 is accountable for RAC1 stimulation in the course of pathogen phagocytosis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CEACAM3 Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 144 amino acids (35-155 a.a) and having a molecular mass

Caution: Product has not been fully validated for medical applications. For research use only.

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of 15.5kDa.CEACAM3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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