

32-13142: CEACAM1 Human

Alternative Name : Carcinoembryonic Antigen Related Cell Adhesion Molecule 1, Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1 (Biliary Glycoprotein), CD66a Antigen, BGP1, BGP, Biliary Glycoprotein 1, Antigen CD66, BGP-1, BGPI.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1 (CEACAM1) belongs to the carcinoembryonic antigen (CEA) gene family which is a part of the immunoglobulin superfamily. CEACAM1 is a cell adhesion protein which mediates homophilic cell adhesion in a calcium-independent way. CEACAM1 is a surface glycoprotein expressed on various blood cells, epithelial cells, and vascular cells. CEACAM1 functions as coinhibitory receptor in immune response, and plays a role also as an activator during angiogenesis.

CEACAM1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 405 amino acids (35-428 a.a.) and having a molecular mass of 44.6kDa (Molecular size on SDS-PAGE will appear at approximately 40-70 kDa). CEACAM1 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : CEACAM1protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : 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.

Amino Acid : ADPEFQLTTE SMPFNVAEGK EVLLLVHNL P QQLFGYSWYK GERVDGNRQI VGYAIGTQQA TPGPANSGRE TIYPNASLLI QNVTQNDTGF YTLQVIKSDL VNEEATGQFH VYPELPKPSI SSNNSNPVED KDAVAFTCEP ETQDTTYLWW INNQSLPVSP RLQLSNGNRT LTLLSVTRND TGPEYCEIQN PVSANRSDPV TLNVTYGPDT PTISPSDTYY RPGANLSLSC YAASNPPAQY SWLINGTFQQ STQELFIPNI TVNNSGSYTC HANNSVTGCN RTTVKTIIVT ELSPVVAKPQ IKASKTTVTG DKDSVNLTC S TNDTGISIRW FFKNQSLPSS ERMKLSQGNT TLSINPVKRE DAGTYWCEVF NPISKNSQSDP IMLNVNYNAL PQENGLSPGH HHHHHH.