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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 EVLLLVHNLP QQLFGYSWYK GERVDGNRQI VGYAIGTQQA TPGPANSGRE TIYPNASLLI QNVTQNDTGF YTLQVIKSDL VNEEATGQFH VYPELPKPSI SSNNSNPVED KDAVAFTCEP ETQDTTYLWW INNQSLPVSP RLQLSNGNRT LTLLSVTRND TGPYECEIQN PVSANRSDPV TLNVTYGPDT PTISPSDTYY RPGANLSLSC YAASNPPAQY SWLINGTFQQ STQELFIPNI TVNNSGSYTC HANNSVTGCN RTTVKTIIVT ELSPVVAKPQ IKASKTTVTG DKDSVNLTCS TNDTGISIRW FFKNQSLPSS ERMKLSQGNT TLSINPVKRE DAGTYWCEVF NPISKNQSDP IMLNVNYNAL PQENGLSPGH HHHHH.