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32-13110: CD55 Human

Alternative Name : CD55 Antigen, DAF, CD55 Molecule, CHAPLE, Cromer Blood Group Antigen, Complement Decay-Accelerating Factor, CROM.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Decay-Accelerating Factor Isoform 1 or CD55, is a protein that attached to the cell membrane through glycophosphatidylinositol (GPI) anchor. CD55 regulates the complement system in the outer membrane. The protein is a receptor to many types of enteroviruses such as coxsackieviruses. CD55 is widely scattered amidst hematopoietic & non-hematopoietic cells. The CD55 has a crucial part in tumorigenesis, autocrine loops for cell rescue and evasion of apoptosis, cell motility, invasiveness etc.
CD55 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (35-353 a.a.) and fused to a 9 aa His Tag at C-terminus containing a total of 328 amino acids and having a molecular mass of 36kDa. CD55 shows multiple bands between 40-57kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	CD55 protein solution (0.5mg/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 :	ADPDCGLPPD VPNAQPALEG RTSFPEDTVI TYKCEESFVK IPGEKDSVIC LKGSQWSDIE EFCNRSCEVP TRLNSASLKQ PYITQNYFPV GTVVEYECRP GYRREPSLSP KLTCLQNLKW STAVEFCKKK SCPNPGEIRN GQIDVPGGIL FGATISFSCN TGYKLFGSTS SFCLISGSSV QWSDPLPECR EIYCPAPPQI DNGIIQGERD HYGYRQSVTY ACNKGFTMIG EHSIYCTVNN DEGEWSGPPP ECRGKSLTSK VPPTVQKPTT VNVPTTEVSP TSQKTTTKTT TPNAQATRST PVSRTTKHFH ETTPNKGSGT TSHHHHHH.