

32-13076: CD38 Human

Alternative Name :

P28907, ADP-Ribosyl Cyclase 1, 2-Phospho-Cyclic-ADP-Ribose Transferase, Cyclic ADP-Ribose Hydrolase, 2-Phospho-ADP-Ribosyl Cyclase, NAD(+) Nucleosidase, CD38 Antigen (P45), ADPRC 1, 2-Phospho-ADP-Ribosyl Cyclase/2-Phospho-Cyclic-ADP-Ribose Transferase, Ecto-Nicotinamide Adenine Dinucleotide Glycohydrolase, Cluster Of Differentiation 38, CADPr Hydrolase 1, CD38 Antigen, EC 2.4.99.20, EC 3.2.2.6, ADPRC1, T10.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

CD38 is a surface molecule which acts as a plasma membrane signaling receptor in leukocytes. Furthermore, CD38 functions as signaling channel which leads to cellular activation and proliferation. CD38 also plays a role as an ectoenzyme with various functions as well as an inducer of Ca²⁺ mobilization from cytoplasmic stores. CD38 signals acts as a coreceptor on B cells and modulates B cell receptor.

CD38 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 269 amino acids (43-300 a.a.) and having a molecular mass of 31.2kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).

Product Info

Amount : 2 µg / 10 µg

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

Content : CD38 protein solution (1mg/ml) contains 50mM MES buffer (PH 5.0), 100mM NaCl 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 : ADPEFVPRWR QQWSGPGTTK RFPETVLARC VKYTEIHPER RHVDCQSVWD AFKGAFISKH PCNITEEDYQ PLMKLGTQTV PCNKILLWSR IKDLAQFTQ VQRDMFTLED TLLGYLADDL TWCGEFNTSK INYQSCPQWR KDCSNNPVSV FWKTVSRRFA EAACDVVHVM LNGSRKIFD KNSTFGSVEV HNLQPEKVQT LEAWVIHGGGR EDSRDLQQDP TIKELESIS KRNIQFSCKN IYRPDKFLQC VKNPEDSSCT SEIHSHHHH.