

32-3477: CD68 Recombinant Protein

Alternative Name : Macrosialin,Gp110,CD68 antigen,CD68,SCARD1,DKFZp686M18236.

Description

Source : E.coli. CD68 Human Recombinant produced in E. coli is a single polypeptide chain containing 323 amino acids (22-319) and having a molecular mass of 34.1 kDa.CD68 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. CD68 encodes a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes and endosomes with a smaller fraction circulating to the cell surface. It is a type I integral membrane protein with a heavily glycosylated extracellular domain and binds to tissue- and organ-specific lectins or selectins. The protein is also a member of the scavenger receptor family. Scavenger receptors typically function to clear cellular debris, promote phagocytosis, and mediate the recruitment and activation of macrophages. Alternative splicing results in multiple transcripts encoding different isoforms.

Product Info

Amount :	10 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The CD68 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1M Urea 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 :	MGSSHPLHHH SSGLVPRGSH MGSHMNDCPH KKSATLLPSF TVTPTVTEST GTTSHRTTKS HKTTTHRTTT TGTTSHGPTT ATHNPTTSH GNVTVHPTSN STATSQGPST ATHSPATTSH GNATVHPTSN STATSPGFTS SAHPEPPPPS PSPSPTKET IGDYWTNGS QPCVHLQAI QIRVMYTTQG GGEAWGISVL NPNKTKVQGS CEGAHPHLLL SFPYGHLSFG FMQDLQKVV YLSYMAVEYN VSPHAAQWT FSAQNASLRD LQAPLGQSF CSNSSIILSP AVHLDLLSLR LQAAQLPHTG VFGQSFSCPS DRS