

32-13114: CD68 Human, sf9

Alternative Name : Macrosialin, CD68, Gp110, Macrosialin isoform A, GP110, LAMP4, SCARD1.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered clear solution.

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.

CD68 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 307 amino acids (22-319) and having a molecular mass of 32.6kDa (Molecular size on SDS-PAGE will appear at approximately 57-70kDa). CD68 is fused to 6 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 95.0% as determined by analysis by SDS-PAGE.

Content : CD68 protein solution (1mg/ml) containing 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 : ADPNDCPHKK SATLLPSFTV TPTVTESTGT TSHRTTKSHK TTTHRTTTTG TTSHGPTTAT HNPTTTSHGN
VTVHPTSNST ATSQGPSTAT HSPATTSHGN ATVHPTSNST ATSPGFTSSA HPEPPPPSPS PSPTSKETIG
DYTWNGSQP CVHLQAQIQI RVMYTTQGGG EAWGISVLNP NKTKVQGSCE GAHPHLLLSF
PYGHLSFGFM QDLQQKVYYL SYMAVEYNVS FPHAAQWTFs AQNASLRDLQ APLGQSFSCS NSSIILSPAV
HLDLLSLRLQ AAQLPHTGVF GQSFSCPSDR SHHHHHH.