

Recombinant Human CD68 Molecule

Cat. No. CD68-4367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD68 Human Recombinant full length expressed in E.coli, shows a 38 kDa band on SDS-PAGE. CD68 is purified by proprietary chromatographic techniques.
Species	Human
Source	Human
Description	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.
Form	CD68 at 2g/20µl in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol.
Purity	Greater than 90.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Physical Appearance	Sterile Filtered clear solution.

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Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.
Full Length	Full L.
GENE INFORMATION	
Gene Name	CD68 CD68 molecule [Homo sapiens]
Official Symbol	CD68
Synonyms	CD68 molecule; GP110; SCARD1; DKFZp686M18236; CD68; macrosialin; CD68 antigen; macrophage antigen CD68; scavenger receptor class D, member 1
Gene ID	968
mRNA Refseq	NM_001251
Protein Refseq	NP_001242
MIM	153634
UniProt ID	P34810
Chromosome Location	17p13
Pathway	Lysosome