

Recombinant Full Length Human CD68 Protein

Cat. No. CD68-3018HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD68 full-length ORF (NP_001242.2) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	580 amino acids
Description	This gene 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. [provided by RefSeq, Jul 2008]
Form	Liquid
Molecular Mass	37.4 kDa
AA Sequence	MRLAVLFSGALLGLLAAQGTGNDCPHKKSATLLPSFTVTPTVTESTGTTSHRTTKSH KTTTHRTTTTGTTSHGPTTATHNPTTTS HGNVT VHPTS NSTATSQGPSTATHSPATT

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SHGNATVHPTSNSTATSPGFTSSAHPEPPPPSPSPSPTSKETIGDYTWNGSQPCV
 HLQAQIQIRVMYTTQGGGEAWGISVLNPNKTKVQGSCEGAHPHLLLSFPYGHLSFG
 FMQDLQQKVYYLSYMAVEYNVSFPHAAQWTFSAQNASLRDLQAPLGQSFSCSNSS
 IILSPAVHLDLLSLRLQAAQLPHTGVFGQSFSCPSDRSILLPLIIGLILLGLLALVLIAFCII
 RRRPSAYQAL

Applications

Antibody Production
 Functional Study
 Compound Screening

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name CD68 CD68 molecule [Homo sapiens]

Official Symbol CD68

Synonyms CD68; CD68 molecule; CD68 antigen; macrosialin; DKFZp686M18236; GP110; LAMP4; macrophage antigen CD68; SCARD1; scavenger receptor class D; member 1; scavenger receptor class D, member 1;

Gene ID 968

mRNA Refseq NM_001040059

Protein Refseq NP_001035148

MIM 153634

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UniProt ID

P34810

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