

CD68 (Human) Recombinant Protein

Catalog # P9098

Size 2 x 10 ug

Specification

Product Description Human CD68 (P34810, 22 a.a. - 319 a.a.) partial-length recombinant protein with His tag at N-Terminus expressed in *Escherichia coli*.

Sequence MGSSHPLHHHSSGLVPRGSHMGSHMNDCPHKKSATLLPSFTVTPVTESTGTTSHRTTKSHKTT
THRTTTTGTTSHGPTTATHNPTTTS HGNVT VHPTS NSTATS QGPSTATHSPATTSHGNATVHPTSN
STATSPGFTSSAHPEPPPPSPSPSPTSKETIGDYTWNGSQPCVHLQAQIRVMYTTQGGGEAW
GISVLNPNKTKVQGSCEGAHPHLLSFPYGHLSFGFMQDLQQKVVYLSYMAVEYNVSFPHAAQW
TFSAQNASLRDLQAPLGQSFSCSNSSILSPAVHLDLLSLRLQAAQLPHTGVFGQSFSCPSDRS

Host Escherichia coli

Theoretical MW (kDa) 34.1

Form Liquid

Preparation Method *Escherichia coli* expression system

Purity > 85% by SDS-PAGE.

Storage Buffer 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1M Urea and 10% glycerol.

Storage Instruction Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — CD68

Entrez GeneID [968](#)

Protein Accession# [P34810](#)

Gene Name	CD68
Gene Alias	DKFZp686M18236, GP110, SCARD1
Gene Description	CD68 molecule
Omim ID	153634
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	CD68 antigen OTTHUMP00000135285 macrophage antigen CD68 macrosialin scavenger receptor class D, member 1

Pathway

- [Lysosome](#)