

Active Recombinant Human CD68, MlgG2a Fc-tagged

Cat. No. CD68-5678H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human CD68 (AAH15557.1) (Asn22-Ser319) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell
Species	Human
Source	CHO
Protein Length	22-319 a.a.
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
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA.
Molecular Mass	58KDa (monomer)

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AA Sequence	Asn22-Ser319
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

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
Chromosome Location	17p13
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;

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