

## Active Recombinant Human CD68, MlgG2a Fc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human CD68 (AAH15557.1) (Asn22-Ser319) is fused to the N-terminus of the Fc region of mouse IgG2awas expressed in CHO cell
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	22-319 a.a.
<b>Description</b>	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
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA.
<b>Molecular Mass</b>	58KDa (monomer)

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<b>AA Sequence</b>	Asn22-Ser319
<b>Endotoxin</b>	<0.06 eu/μg="" as="" determined="" by="" lal="" test="">
<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	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.
<b>Reconstitution</b>	Reconstitute at 100μg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	CD68 CD68 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD68
<b>Synonyms</b>	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;
<b>Gene ID</b>	968
<b>mRNA Refseq</b>	NM_001040059
<b>Protein Refseq</b>	NP_001035148
<b>MIM</b>	153634

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<b>UniProt ID</b>	P34810
<b>Chromosome Location</b>	17p13
<b>Pathway</b>	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;

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