

## Recombinant Human CD68 Molecule

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

### SPECIFICATION

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA