

## CD68 Human, 38kDa

**Description:** CD68 Human Recombinant full length expressed in E.coli, shows a 38 kDa band on SDS-PAGE. CD68 is purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-300

**Synonyms:** Macrosialin, Gp110, CD68 antigen, CD68, SCARD1, DKFZp686M18236.

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Purity:** Greater than 90.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

CD68 at 100

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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