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**Product Data Sheet**

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Product Name: CD68 Human, 38kDa  
Cat. No.: GP23070  
Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Macrosialin; Gp110; CD68 antigen; CD68; SCARD1; DKFZp686M18236.		
Formulation	CD68 at 100µg/1ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol.		

**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.

**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.

**Background**

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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