

Recombinant Human CD68

Certificate of Analysis and Data Sheet

➤ Source: E.Coli	➤ Catalog No. PRO-293
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➤ **Background:**

CD68 is a 110 kDa transmembrane (Type I) glycoprotein consisting of a polypeptide of 37408 kDa (354 amino acids) predicted from the cDNA sequence that is highly expressed by human monocytes and tissue macrophages. CD68 plays a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. Bind to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes, lysosomes to the plasma membrane may allow macrophages to crawl over selectin bearing substrates or other cells.

➤ **Description :**

Recombinant CD68 shows a band at 38kDa on SDS-PAGE coomassie blue stained gel.
Recombinant CD68 is purified by proprietary chromatographic techniques.

➤ **Physical Appearance:**

Sterile filtered liquid.

➤ **Formulation:**

100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.

➤ **Stability:**

Store vial at -20C° to -80C°. When stored at the recommended temperature, recombinant CD68 is stable for 12 months.

Please avoid freeze-thaw cycles.

➤ **Purity:**

Greater than 90.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by reducing and non-reducing SDS-PAGE coomassie blue gel.

➤ **Dimers and aggregates:**

Less than 1% as determined by coomassie blue SDS-PAGE gel analysis.

➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of CD68.

➤ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.