

CD68 Protein, Human (sf9, His)

Cat. No.:	HY-P74279
Synonyms:	CD68 antigenmacrophage antigen CD68; CD68; Gp110; Macrosialin; SRD1
Species:	Human
Source:	Sf9 insect cells
Accession:	P34810 (M1-S319)
Gene ID:	968
Molecular Weight:	Approximately 68 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris, 500 mM NaCl, pH 7.4, 10% Glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CD68 protein is thought to play a crucial role in various phagocytic activities carried out by tissue macrophages, encompassing intracellular lysosomal metabolism as well as extracellular interactions with cells and pathogens. It has the ability to bind to tissue- and organ-specific lectins or selectins, facilitating the targeted migration of specific macrophage subsets to particular sites. The rapid recirculation of CD68 from endosomes and lysosomes to the plasma membrane enables macrophages to crawl over selectin-bearing substrates or interact with other cells.
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Caution: Product has not been fully validated for medical applications. For research use only.

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