

Human CellExp™ CD68 / SR-D1 Protein, Fc Tag

CATALOG #: 7880-10 10 µg
7880-50 50 µg

ALTERNATE NAMES: CD68, Macrosialin, Gp110, SCARD1

SOURCE: HEK 293 cells (Asn 22 - Ser 319)

PURITY: >95% by SDS-PAGE.

MOL. WEIGHT: This protein is fused with a human IgG1 Fc tag at the C-terminus, and has a calculated MW of 59.2 kDa. The predicted N-terminus is Asn 22. DTT-reduced Protein migrates as 110-120 kDa in SDS-PAGE due to glycosylation.

ENDOTOXIN LEVEL: < 1.0 EU per µg of the protein by the LAL method.

FORM: Lyophilized

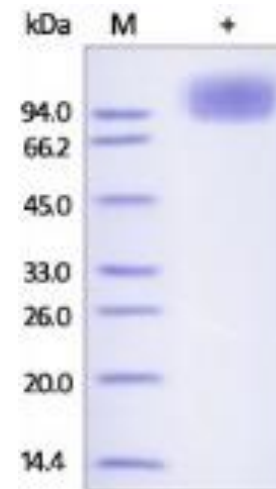
FORMULATION: Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.

STORAGE CONDITIONS: Store at 4°C for 1 year in lyophilized. After reconstitution, aliquot and store at -70°C for up to 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a stock solution of 400 µg/mL. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage.

DESCRIPTION: CD antigen CD68 is also known as Macrosialin, Gp110, which belongs to the LAMP family. CD68 / Macrosialin is highly expressed by blood monocytes and tissue macrophages. Also expressed in lymphocytes, fibroblasts and endothelial cells. Expressed in many tumor cell lines which could allow them to attach to selectins on vascular endothelium, facilitating their dissemination to secondary sites. CD68 / Macrosialin could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and

extracellular cell-cell and cell-pathogen interactions. CD68 / Macrosialin binds to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the plasma membrane may allow macrophages to crawl over selectin-bearing substrates or other cells.



The purity of Human CD68, Fc Tag was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

RELATED PRODUCTS:

- CD68, human recombinant (Cat. No. 7343-50)

FOR RESEARCH USE ONLY! Not to be used in humans.