PRODUCT INFORMATION

Target	CD68
Synonyms	GP110;LAMP4;SCARD1
Description	Recombinant human CD68 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P34810
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	CD68(Asn22-Ser319) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 32.4 kDa after removal of the signal peptide. The apparent molecular mass of CD68-His is approximately 55-130 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene 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. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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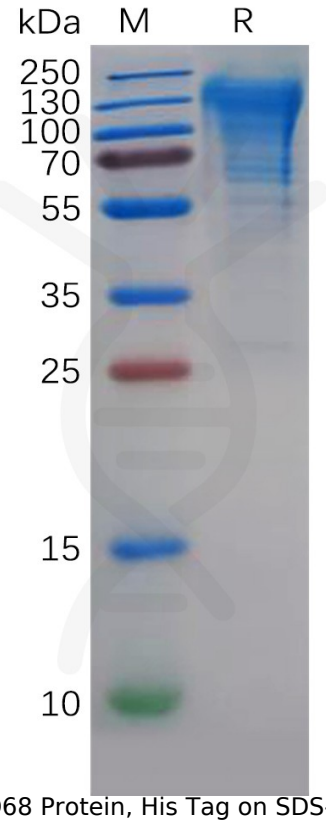

Figure 1. Human CD68 Protein, His Tag on SDS-PAGE under reducing condition.

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