Datasheet for ABIN7092757

CD68 Protein (AA 22-319) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	CD68
Protein Characteristics:	AA 22-319
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD68 protein is labelled with His tag.

Product Details

Purpose:	Recombinant human CD68 protein with C-terminal 6xHis tag
Specificity:	CD68 (Asn22-Ser319) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD68
Alternative Name:	CD68 (CD68 Products)
Background:	This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human

Target Details

	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]
Molecular Weight:	predicted molecular mass of 32.4 kDa after removal of the signal peptide. The apparent molecular mass of CD68-His is 55-130 kDa due to glycosylation.
UniProt:	P34810

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	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.
Expiry Date:	12 months