

AR50530PU-N

Human CD68 (22-319, His-tag) - Purified

Alternate names:

Gp110, Macrophage marker, Macrosialin

Quantity:

0.25 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

Macrosialin, also known as CD68, is a member of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family. It is found in cytoplasmic granules and in the cytoplasm of various non-hematopoietic tissues including liver and kidney tubules and glomeruli. CD68 is also found, to a lesser extent, on the surface of macrophages, monocytes, neutrophils, basophils and large lymphocytes.

Uniprot ID:

[P34810](#)

NCBI:

[NP_001242.2](#)

GeneID:

[968](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol, 0.1M NaCl

Description:

Recombinant human CD68 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHPLHHH SSGLVPRGSH MGSHMNDCPH KKSATLLPSF TVTPTVTEST GTTSHRTTKS
HKTTTHRTTT TGTTSHGPTT ATHNPTTTSN GNVTVHPTSN STATSQGPST ATHSPATTSH
GNATVHPTSN STATSPGFTS SAHPEPPPPS PSPSPTSKET IGDTWTNGS QPCVHLQAQI
QIRVMYTTQG GGEAWGISVL NPNKTKVQGS CEGAHPHLL SFPYGHLSFG FMQDLQKQVV
YLSYMAVEYN VSFPHAAQWT FSAQNASLRD LQAPLGQSFS CSNSSIILSP AVHLDLLSLR
LQAAQLPHTG VFGQSFSCPS DRS

Molecular weight: 34.1 kDa (323aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

Holness CL., et al. (1993) Blood. 81(6):1607-13. Shun CT., et al. (2009) J Infect Dis. 199:1488-1496.

Pictures:

