

CD68 Antibody

Rabbit mAb Catalog # AP90757

Product Information

Application WB Primary Accession P34810

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names CD68 antigen; CD68 molecule; Gp110; LAMP4; Macrophage antigen CD68

(microsialin); Macrosialin; SCARD1; Scavenger receptor class D member 1;

IsotypeRabbit IgGHostRabbitCalculated MW37408

Additional Information

Dilution WB 1:500~1:1000 **Purification** Affinity-chromatography

Immunogen A synthesized peptide derived from human CD68

Description CD68 belongs to a family of acidic, highly glycosylated lysosomal

glycoproteins (LGPs) that includes lamp-1 and lamp-2. Play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

Protein Information

Name CD68

Function Could play a role in phagocytic activities of tissue macrophages, both in

intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. 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

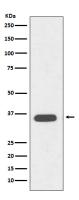
or other cells.

Cellular Location [Isoform Short]: Cell membrane; Single-pass type I membrane protein

Tissue Location 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.

Images



Western blot analysis of CD68 expression in Jurkat cell lysate.

Image not found: 202311/AP90757-wb6.jpg

Dcf1 Deficiency Attenuates the Role of Activated Microglia During Neuroinflammation. -Front Mol Neurosci---Dcf1-KO

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