

CD68 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250594

Unit: 0.1 mg

Description:

The CD68 antigen is involved in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. CD68 binds to tissue- and organ-specific lectins and selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the plasma membrane helps macrophages to move over selectin-bearing substrates and other cells. CD68 is highly expressed by blood monocytes and tissue macrophages as well as many tumor cell lines promoting binding to selectins on vascular endothelium facilitating dissemination to secondary sites.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: M, R

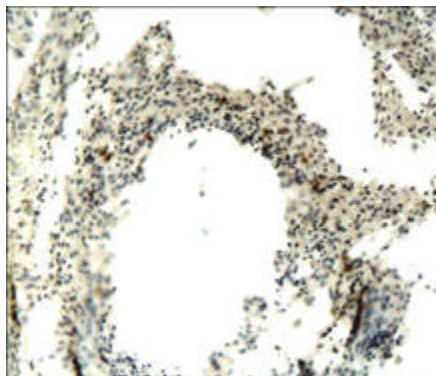
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Macrosialin; Gp110; CD68

Accession No.: P31996

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of mouse CD68.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



Paraffin-embedded mouse cancerous lung is stained with CD68 Antibody (Cat. No. 250594) used at a 1:50 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: [1] Muller I et al. 2013. J Biol Chem. 288(44):31635-31645. PMID# 24003215. [2] Borriore P et al. 2013. Dept. Health Science. University of Rome. Blood Transfus. Doi: 10.2450/2013.0275-12 [3] Li D et al. 2013. Access. Oncogene. doi:10.1038/onc.2013.75. PMID# 23563178. [4] Day R et al. 2013. American Journal of Physiology-Renal Physiology. doi: 10.1152/ajprenal.00306. PMID# 23303408. [5] Kim E et al. 2011. Breast Cancer Research. 13(4):R78. PMID# 21834963. [6] Park H et al. 2011. Molecular Carcinogenesis. 51(11):869-880. PMID# 21919080. [7] Wu JB et al. 2010. Bioscience, Biotechnology, and Biochemistry. 74(4):781-787. PMID# 20378990. [8] Hsieh C-H. et al. 2013. PLOS One. 8(9) e72917. PMID# 24039822.

For research use only, not for diagnostic or therapeutic procedures.