

Anti-CD68 Antibody (clone PG-M1)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS17790

Product Information

Application	IHC-P
Primary Accession	P34810
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG3,k
Clone Names	PG-M1
Calculated MW	37408

Additional Information

Gene ID	968
Alias Symbol	CD68
Other Names	CD68, CD68 antigen, gp110, SCARD1, CD68 molecule, LAMP4, Macrophage antigen CD68, Macrosialin
Precautions	Anti-CD68 Antibody (clone PG-M1) is for research use only and not for use in diagnostic or therapeutic procedures.

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.