

Product name:	CD68 Mouse Monoclonal Antibody
Cat number:	MAB-94308
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Y1/82A
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG2b
Immunogen:	Lysosomal contents of lung macrophages
Reactivity:	Human
Applications:	Flow cytometry: Recommended dilution: 2-6 µg/ml. Extracellular and intracellular staining
Molecular Weight:	110 kDa
Purification:	Purified by protein-A affinity chromatography
Form:	Liquid
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage:	Store at 2-8°C. Do not freeze.
Background:	CD68 (also known as LAMP4 or SCARD1) is a 110 kDa type I transmembrane glycoprotein of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family and the scavenger receptor family. Although CD68 primarily localizes to lysosomes and endosomes, its fraction circulates to the cell surface. By the heavily glycosylated extracellular domain CD68 binds to tissue- and organ-specific lectins or selectins. It is expressed mainly in cytoplasmic granules of monocytes/macrophages, granulocytes, and dendritic cells, but also e.g. in a proportion of epithelial tumours (diagnosis of poorly differentiated neoplasms).

