

## Product Datasheet

### CD68 Antibody (orb223629)

<b>Catalog Number</b>	orb223629
<b>Category</b>	Antibodies
<b>Description</b>	Mouse monoclonal antibody to CD68
<b>Target</b>	CD68
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse IgG2b
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Purification</b>	Purified by protein-A affinity chromatography.
<b>Immunogen</b>	Lysosomal contents of lung macrophages
<b>UniProt ID</b>	<b>P34810</b>
<b>Tested applications</b>	FC, IHC-Fr
<b>Application notes</b>	Flow cytometry: Recommended dilution: 2-6 µg/ml. Extracellular and intracellular staining.
<b>Specificity</b>	The mouse monoclonal antibody Y1/82A recognizes CD68 (LAMP4), a 110 kDa glycoprotein expressed mainly in cytoplasmic granules of monocytes/macrophages, granulocytes, and dendritic cells.

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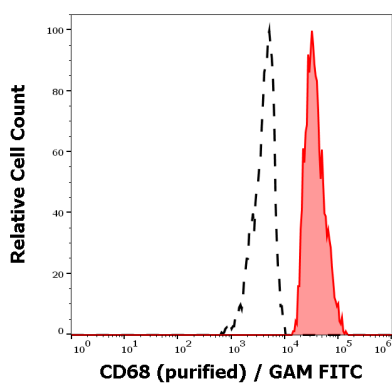
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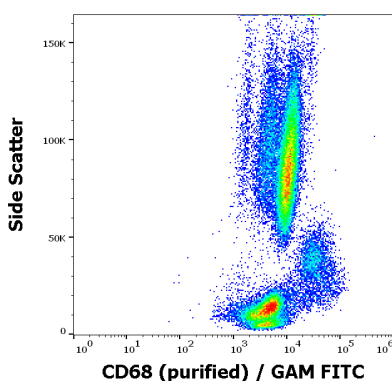
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<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	Y1/82A
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Entrez</b>	<b>968</b>
<b>Expiration Date</b>	12 months from date of receipt.



Separation of human monocytes (red-filled) from CD68 negative lymphocytes (black-dashed) in flow cytometry analysis (intracellular staining) of human peripheral whole blood stained using anti-human CD68 (Y1/82A) purified antibody (concentration in sample 2 µg/ml) GAM FITC.



Flow cytometry intracellular staining pattern of human peripheral blood stained using anti-human CD68 (Y1/82A) purified antibody (concentration in sample 2 µg/ml) GAM FITC.

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