

Product datasheet for **AM26791PU-N**

CD68 Mouse Monoclonal Antibody [Clone ID: Y1/82A]

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | Y1/82A |
| Applications: | FC, IHC |
| Recommended Dilution: | Flow Cytometry: intracellular staining. Immunohistochemistry on Frozen Sections. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | Lysosomal contents of lung macrophages |
| Specificity: | This antibody recognizes CD68 (LAMP4), a 110 kDa glycoprotein expressed mainly in cytoplasmic granules of monocytes/macrophages, granulocytes, and dendritic cells. |
| Formulation: | Phosphate buffered saline (PBS), pH~7.4 State: Purified State: Liquid purified Ig fraction Preservative: 15 mM Sodium Azide |
| Concentration: | lot specific |
| Purification: | Protein-A Affinity Chromatography |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C. DO NOT FREEZE! |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | CD68 molecule |
| Database Link: | Entrez Gene 968 Human P34810 |



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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).

Synonyms:

Gp110, Macrosialin, Macrophage marker