

## Product datasheet for **SM065R**

### Macrophages / Monocytes Rat Monoclonal Antibody [Clone ID: MOMA-2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MOMA-2
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of neat-1/10 diluted antibody to label 1x10 <sup>6</sup> cells in 100 µl. Membrane permeabilisation is recommended.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Mouse lymph node stroma.
Specificity:	This antibody recognizes an intracellular antigen of Mouse macrophages and monocytes. It reacts strongly with macrophages in lymphoid organs such as tingible body macrophages and macrophages in T cell dependent areas and is extremely useful in immunohistochemistry. Reacts on all Mouse strains tested.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer Label: PE State: Lyophilized purified IgG fraction Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore in 1.0 distilled water.
Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE.</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.



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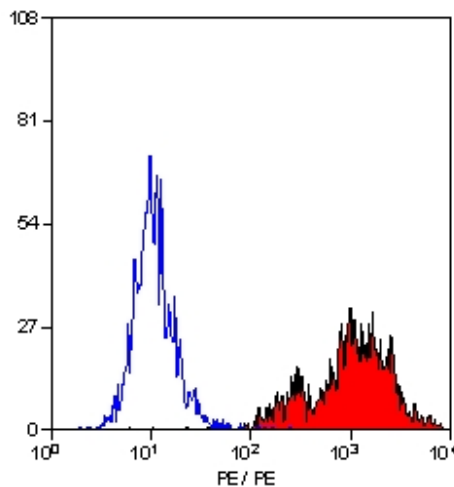
**Background:**

Monocyte and macrophage are white blood cells that roam the body tissues engulfing foreign organisms. A monocyte is a leukocyte, part of the human body's immune system that protects against blood-borne pathogens and moves quickly (aprox. 8-12 hours) to sites of infection in the tissues. Monocytes are usually identified in stained smears by their large bi-lobed nucleus.

Macrophages are cells within the tissues that originate from specific white blood cells called monocytes. Monocytes and macrophages are phagocytes, acting in both nonspecific defense (or innate immunity) as well as specific defense (or cell-mediated immunity) of vertebrate animals. Their role is to phagocytize (engulf and then digest) cellular debris and pathogens either as stationary or mobile cells, and to stimulate lymphocytes and other immune cells to respond to the pathogen.

**Synonyms:**

Macrophage marker, Monocyte marker

**Product images:**

Staining of Mouse peritoneal Macrophages with Rat anti Mouse Macrophages/Monocytes - PE (SM065R)