

Product datasheet for **BM4022B**

Macrophages (Haematopoiesis associated) Mouse Monoclonal Antibody [Clone ID: 25F9]

Product data:

Product Type: Primary Antibodies

Clone Name: 25F9

Applications: IHC

Recommended Dilution: **Immunohistochemistry on Frozen Sections:** 2 µg/ml (1/200).

Immunohistochemistry on Paraffin Sections: 4 µg/ml (1/100). Proteinase K pretreatment for antigen retrieval is recommended.

Suggested Positive Control: Human tonsil.

Reactivity: Human

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Specificity: The antibody is also suitable for staining macrophages from bronchial lavage fluids and similar techniques. It is very useful for macrophage phenotyping, particularly for the classification of late inflammatory stages (together with 27E10, RM 3/1, and G 16/1) in tissue sections and in smears, for the characterization of tumorous tissues and the monitoring of macrophage cell cultures. This antibody reacts with human mature macrophages and subpopulation of macrophages of rhesus monkey, pig alveolar macrophages and Kupffer cells. The antigen is an 86kD protein (unreduced conditions), probably a glycoprotein on the cell surface and within the cytoplasm of mature macrophages. It is stable to formaldehyde fixation and paraffin embedding. Enzyme digestion is recommended.

Antigen Distribution on Isolated cells and Tissue Sections: Absent on freshly isolated monocytes and other blood cells; present on 40 - 50% of human monocytes after 6-7 day culture, also positive on some melanoma and carcinoma cell lines.

Kupffer cells, histiocytes (skin), macrophages of the thymus, in the germinal centres of lymph nodes and spleen, in mamma carcinoma, melanoma, osteocarcinoma and gastric cancer; excema, sarcoidosis, BCG granuloma; synovial lining cells, tuberculoid leprosy: no expression in lepramatous leprosy.

Formulation: PBS buffer, pH 7.2 with 0.01% Thimerosal as preservative and 10 mg/ml BSA as stabilizer.

Label: Biotin

State: Lyophilized purified Ig fraction.



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Reconstitution Method:	Restore with 0.5 ml distilled water.
Purification:	Affinity Chromatography.
Conjugation:	Biotin
Storage:	Store the antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Do not freeze working dilutions Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Background:	25F9 is associated with well-differentiated tissue macrophages both in normal and diseased tissues independently of the presence or absence of inflammation. The antigen is a 86kDa membrane protein, the epitope has not been further characterized.
Synonyms:	Macrophage marker