



BMA BIOMEDICALS

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Monoclonal Antibody To Human Follicular Dendritic Cells Marker For A Subpopulation Of Macrophages

Monoclonal antibody Ki-M4 detects the accessory B-cell macrophages in lymphoid organs.

Product Number:	T-1007 (Lot 01PO9202)
Clone:	Ki-M4
Host species, isotype:	Mouse IgG2a
Quantity:	100µg
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.02% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC). Approximate working dilution for IHC: Frozen sections: 0.5µg/ml (1:400) Paraffin sections: does not react on routinely processed tissue sections. Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil. Please see www.bma.ch for protocols and general information.
Immunogen:	Circulating immune complexes of a patient with Hodgkin's disease.
Antigen, epitope:	The antigen is a proteoglycan of unknown structure, the epitope has not been further characterized.
Antigen distribution:	Isolated cells: Ki-M4 does not react with circulating cells. Tissue sections: Ki-M4 stains follicular dendritic cells of lymphoid B-zones only. Other tissues tested so far are negative with the antibody.
Specificity:	Human: follicular dendritic cells. Other: not tested.

Selected references

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Parwaresch, M.R., H.J. Radzun, A.C. Feller, K.P. Peters, M.L. Hansmann. Peroxydase-positive mononuclear leucocytes as possible precursors of human dendritic reticulum cells. *J Immunol* 131: 2719-2725 (1983)

Radzun, H.J., M.R. Parwaresch. Differential immunohistochemical resolution of the human mononuclear phagocyte system. *Cellular Immunol* 82: 174-183 (1983)

Kreipe, H., H.J. Radzun, M.R. Parwaresch. Phenotypic differentiation patterns of the human monocyte/macrophage system. *Histochem. J.* 18: 441-450 (1986)

Eischen, A., B. Louis, M. Schmitt-Goguel, A. Bohbot, A. Faradji, J.P. Bergerat, F. Oberling: Phenotypic characterization of human peritoneal and alveolar macrophages, and of human blood monocytes differentiated in the presence of GM-CSF or M-CSF. Fifth Annual Conference of the Upper Rhine Universities on the Macrophage, Strasbourg, Sept. 4/5. Abstr. Page 22 (1991).

For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.