
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

Clone: Ki-M4

Lot: 01PO9202

TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species, subclass: Mouse IgG1

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:** does not react with porcine tissues.

Selected references

Parwaresch, M.R., H.J. Radzun, M.L. Hansmann, K.P. Peters. Monoclonal antibody Ki-M4 specifically recognizes human dendritic reticulum cells (Follicular dendritic cells) and their possible precursors in blood. *Blood* 62: 585-590 (1983)

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.