

Product datasheet for **BM4109**

Dendritic cells (lymphoid B-zones) Mouse Monoclonal Antibody [Clone ID: Ki-M4]

Product data:

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|------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | Ki-M4 |
| Applications: | IHC |
| Recommended Dilution: | Immunohistochemistry on frozen sections: use at 0.5 µg/ml (1:400). |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Circulating immune complexes of a patient with Hodgkin's disease. |
| Specificity: | Ki-M4 detects the accessory B-cell macrophages in lymphoid organs. Ki-M4 stains follicular dendritic cells of lymphoid B-zones only. All other tissues tested so far are negative with the antibody. Ki-M4 does not react with any circulating cell. Ki-M4 detects an epitope within a proteoglycan localized on the cell surface. |
| Formulation: | PBS buffer with 0.02% sodium azide as preservative and 10 mg/ml BSA as stabilizer. State: Purified State: Lyophilized purified Ig fraction. |
| Reconstitution Method: | Restore with 0.5 ml distilled water. |
| Concentration: | 0.2 mg/ml |
| Purification: | Protein A chromatography. |
| Conjugation: | Unconjugated |
| 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: | Monoclonal antibody Ki-M4 detects the accessory B-cell macrophages in lymphoid organs. |
| Synonyms: | Dendritic cell marker |



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- Note: Protocol: **Protocol with frozen, ice-cold acetone-fixed sections:**
- The whole procedure is performed at room temperature
1. Wash in PBS
 2. Block endogenous peroxidase
 3. Wash in PBS
 4. Block with 10% normal goat serum in PBS for 30min. in a humid chamber
 5. Incubate with primary antibody (dilution see datasheet) for 1h in a humid chamber
 6. Wash in PBS
 7. Incubate with secondary antibody (peroxidase-conjugated goat anti mouse IgG+IgM (H+L) minimal-cross reaction to human) for 1h in a humid chamber
 8. Wash in PBS
 9. Incubate with AEC substrate (3-amino-9-ethylcarbazol) for 12min.
 10. Wash in PBS
 11. Counterstain with Mayer's hemalum