

Product datasheet for **BM4056**

Interdigitating cells (access. T-cell Macrophages) Mouse Monoclonal Antibody [Clone ID: X-12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	X-12
Applications:	FC, IHC
Recommended Dilution:	Suitable for Immunohistochemistry on frozen sections (0.25 µg/ml, 1/800) and FACS. Suggested positive control: Human tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human mononuclear peripheral blood cells.
Specificity:	<p>BMA X-12 is useful for the detection of a subpopulation of human interdigitating (reticulum) cells in T-cell areas of lymph nodes and spleen and their in vitro correlates. It is also useful for the detection of a macrophage subpopulation in the thymus.</p> <p>Detects human Interdigitating (reticulum) cells and a subpopulation of tissue macrophages.</p> <p>Antigen distribution on isolated cells: The antigen is found on a subpopulation (approximately 5%) of circulating monocytes and peritoneal macrophages, as well as on in vitro LPS and IFN stimulated macrophages and on all macrophages after 3 weeks in culture. It is absent from all other blood cells.</p> <p>Tissue sections: The antigen is found on interdigitating cells in the T-cell dependent areas of lymph nodes and spleen. In the thymus, it is also found on a subpopulation of macrophages in trabeculae, cortex and medulla. It is absent in the skin. A minor but distinct population of leukocytes in the kidney cortex is also positively stained by X-12.</p> <p>Cross reactivity: Negative in rat and mouse.</p>
Formulation:	<p>PBS pH 7.2 containing 0.01% thiomersal as preservative and 10 mg/ml BSA as stabilizer.</p> <p>State: Purified</p> <p>State: Lyophilized purified Ig fraction.</p>
Reconstitution Method:	Restore with 0.5 ml distilled water.
Concentration:	0.2 mg/ml



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Purification:	Affinity 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.
Note:	Protocol: Protocol with frozen, ice-cold acetone-fixed sections: The whole procedure is performed at room temperature <ol style="list-style-type: none">1. Wash in PBS2. Block endogenous peroxidase3. Wash in PBS4. Block with 10% normal goat serum in PBS for 30min. in a humid chamber5. Incubate with primary antibody (dilution see datasheet) for 1h in a humid chamber6. Wash in PBS7. Incubate with secondary antibody (peroxidase-conjugated goat anti mouse IgG+IgM (H+L) minimal-cross reaction to human) for 1h in a humid chamber8. Wash in PBS9. Incubate with AEC substrate (3-amino-9-ethylcarbazol) for 12min.10. Wash in PBS 11. Counterstain with Mayer's hemalum