



## Peninsula Laboratories, LLC

A Member of the Bachem Group

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### Monoclonal Antibody To Mouse Macrophage Galactose Specific Lecitin (MMGL) Marker For Connective Tissue Macrophages

Monoclonal antibody ER-MP23 detects mature macrophages in connective tissues which are situated in the vicinity of epithelia e.g. salivary glands, capsule of lymph nodes, thymus and various other organs. The antibody blocks the mouse macrophage galactose-specific lectin (MMGL).

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<b>Product Number:</b>	T-2009
<b>Clone:</b>	ER-MP23
<b>Host species, isotype:</b>	Rat IgG2a
<b>Quantity:</b>	100µg
<b>Format:</b>	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 0.01% thimerosal as a preservative.
<b>Stability:</b>	Original vial: 1 year at 4° - 8°C  Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
<b>Applications:</b>	Tested for immunohistochemistry (IHC); has been described to work in FACS.  <b>Approximate working dilution for IHC:</b> Frozen sections: 1µg/m (1:200) Paraffin sections: not tested.  Optimal dilutions should be determined by the end user.  Suggested positive control: Mouse skin.
<b>Immunogen:</b>	Mouse macrophage cell lines.
<b>Antigen, epitope:</b>	The antigen is a glutaraldehyde (0.05%) resistant 38kD single chain surface glycoprotein.



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### **Antigen distribution:**

**Isolated cells:** The antigen is found on the surface of connective tissue macrophages and their precursor cells in bone marrow. Macrophage cell lines (J774-1.6, RAW309Cr.1, WR19M.1) corresponding to mature macrophages express high levels of the antigen .

**Tissue sections:** The antigen is abundant on mature macrophages in connective tissues as present in the skin (dermis), salivary glands, capsule of lymph nodes, thymus and various other organs. The antigen is partly coexpressed with the BM8 antigen. ER-MP23 positive macrophages may express Ia antigens.

### **Specificity:**

**Mouse:** Macrophages of connective tissue

**Other:** unknown

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### **Selected references**

Jansen A. et al.: Immunohistochemical characterization of monocytes-macrophages and dendritic cells involved in the initiation of the insulinitis and  $\beta$ -cell destruction in NOD mice. *Diabetes* **43**: 667-675 (1994)

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