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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

TECHNICALLY Speaking

Place your order with CEDARLANE® or your local distributor.
Please contact CEDARLANE® for lot specific information.

Purified Rat Anti-Mouse Histocytes

CL89147
Lot: 04PO9403

DESCRIPTION:

This antibody 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).

The antigen is a glutaraldehyde (0.05%) resistant 38 kDa single chain surface glycoprotein.

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 antigen.

Caution: This product contains Thimerosal, a poisonous and hazardous substance.

PRESENTATION:

100 g presented in phosphate buffered saline (PBS) pH 7.2, purified and lyophilized. 10 mg/ml bovine serum albumin (BSA) is added as a stabilizer; 0.01% Thimerosal as a preservative. Reconstitute in 0.5 ml distilled water (= isotonic stock solution).

SPECIFICITY: Detects macrophages of mouse connective tissues.

CLONE: ER-MP 23

ISOTYPE: Rat IgG_{2a}

APPLICATIONS: Histology (frozen sections) and reported to work in FACS

Continued overleaf...

For more information or to place an order please contact...

CEDARLANE®
LABORATORIES LIMITED



toll free: 1-800-268-5058
in North America

phone: (905) 878-8891 • fax: (905) 878-7800

5516 - 8th Line, R.R.#2, Hornby, Ontario, CANADA L0P 1E0

or visit our website for a list of our international distributors including contact information
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WORKING DILUTIONS: Approximately 1 µg/ml (1:200), frozen sections.
Suggested positive control: Mouse skin

PLEASE NOTE: For optimal results in various applications it is recommended that each investigator determine dilutions appropriate for individual use.

STORAGE/STABILITY:

Lyophilized product is stable for one year at 4°C, although it is best stored at -20°C. After reconstitution, aliquot and freeze stock solution at -20°C. **Avoid repeated freeze/thaw cycles.**

REFERENCES:

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

Laboratory Reagent For Research Use Only