



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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

CEDARLANE[®]
www.cedarlanelabs.com



Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

**Purified Anti-Mouse/Human MAC-2 (Galectin-3)
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL8942AP	Purified	100 µg	1.0 mg/ml	CLCR2A00
CL8942LE	Low Endotoxin	500 µg	1.0 mg/ml	CLCR2A00
CL8942B/-3	Biotin	100 µg/300 µg	0.1 mg/ml	CLCR2A15
CL8942F/-3	FITC	100 µg/300 µg	0.1 mg/ml	CLCR2A01
CL8942AF4	Alexa Fluor [®] 488	100 µg	0.1 mg/ml	N/A
CL8942AF6	Alexa Fluor [®] 647	100 µg	0.1 mg/ml	N/A
CL8942AF7	Alexa Fluor [®] 700	100 µg	0.1 mg/ml	N/A

Alexa Fluor[®] is a registered trademark of Life Technologies Corporation.

Isotype: Rat IgG_{2a}

DESCRIPTION:

Cedarlane's anti-Mac-2 monoclonal antibody specifically binds the mouse Mac-2 antigen (also cross reacts with human). The antibody recognizes a 32,000 dalton surface antigen found on a subpopulation of mouse macrophages. It reacts with peritoneal exudate macrophages where the exudate is provoked by thioglycollate, protease peptone (20%), macrophages of lymphoid and non-lymphoid tissues, interdigitating dendritic cells and Langerhans cells. Mac-2 is also expressed in the cytoplasm on non-elicited resident macrophages; 5% are strongly reactive, the remaining 95% show much weaker staining.

The antibody does not react with peritoneal exudate macrophages where the exudate is provoked by *Listeria monocytogenes*, lipopolysaccharide or concanavalin A. It also does not react with peritoneal macrophages, splenic macrophages, granulocytes, thymocytes, peripheral lymph node cells and with 99% of bone marrow cells.

CL8942 antibody can be used for indirect immunofluorescence staining, including flow cytometric analysis of live cells. The addition of propidium iodide is optional; its use eliminates staining artifacts caused by dead cells (1). This antibody is also suitable for frozen sections (4,5) and paraffin sections (7) (recommended starting dilutions of 1:1000-1:2000); ELISA (6); and Western Blot.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

Low Endotoxin: Purified Ig buffered in PBS with no preservative (Purified from culture supernatant via Protein G Chromatography), 0.2µm sterile filtered.

Biotin, FITC, AF488, AF647 and AF700: Biotin/FITC/AF488/AF647/AF700 conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

STORAGE/STABILITY:

For all formats, store at 4°C. DO NOT FREEZE **AF488, AF647 and AF700** conjugates. For long term storage (**Purified, LE, Biotin and FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

Visit our website for your local distributor.

CEDARLANE[®]



www.cedarlanelabs.com

An ISO 9001:2000 and ISO 13485:2003
registered company.

In CANADA: Toll Free: 1-800-268-5058

4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: Toll Free: 1-800-721-1644

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com

SPECIFICATIONS:

Clone: M3/38

Hybridoma Production:

Immunization: Immunogen: Plasma membrane glycoproteins from C57BL/6 mouse thioglycollate-elicited peritoneal exudate.
Donor: (Lewis x BN) F₁ rat spleen
Fusion Partner: NS-1

Specificity: Mouse and Human MAC-2 (Galectin-3)

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

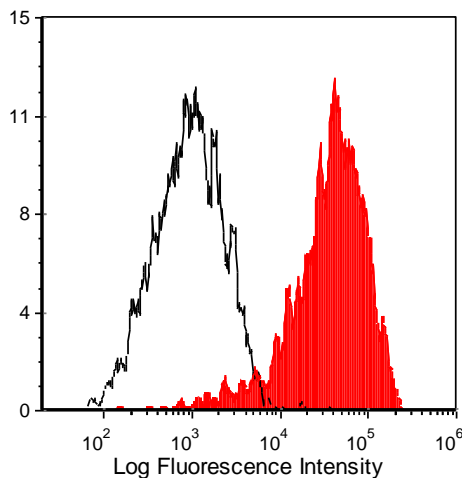
Cell Concentration: 1x10⁶ cells per tests

Antibody Concentration Used: 0.5 µg/10⁶ cells

Cell Source

Percentage of cells stained above control:

Thymus	2.41%
Thioglycollate-elicited peritoneal exudate	85.8%



Thioglycollate-elicited C57BL/6 mouse peritoneal macrophages were stained with anti-Galectin-3 (clone: M3/38) (filled histogram) or rat IgG2a isotype control (open histogram).

N.B. Appropriate control samples should always be included in any labeling studies.

*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

REFERENCES:

1. Sasaki, K.T., Dumas, S.E. and Engleman, E.G. (1987) *Cytometry* 8:413.
2. Springer, T.A. (1981) *J. Bio/ Chem.* 256:3833.
3. Ho, M.K. and Springer, T.A. (1984) *Methods in Enzymology* 108:313.
4. Knisley, K.A. and Weitlauf, H.M. (1993) *Journal of Reproduction and Fertility.* 97:521
5. Weitlauf, H.M. and Knisley, K.A. (1992) *Biology of Reproduction.* 46:811
6. Saada, A., Reichert, F. and Rotshenker, S. (1996) *The Journal of Cell Biology.* 133:159
7. Kowala, M. C. *et al.* (2000) *Atherosclerosis* **149**:323-330
8. Cua, D.J. *et al.* (1995) *Eur. J. Immunol.* 25: 2318-2324
9. Ho, M-K. *et al.* (1982) *J. of Immunol.* 28 (3):1221-1228
10. Mey, A. *et al.* (1996) *J of Immunol.* 156: 1572-1577
11. Leenen, P.J.M. *et al.* (1986) *Differentiation* 32: 157-164
12. Huang, H. *et al.* (1992) *Laboratory Investigation* 67 (1): 138-146
13. Kanter JE, Kramer F, Barnhart S, Averill MM, et al. (2012) **Diabetes promotes an inflammatory macrophage phenotype and atherosclerosis through acyl-CoA synthetase 1.** *PNAS.* 109(12): E715-24.
14. Freitag TL, Cham C, Sung HH, Beilhack GF, et al. (2010) **The human risk allele HLA-DRB1* 0405 predisposes class II transgenic Ab0 NOD mice to autoimmune pancreatitis.** *Gastroenterology.* 139(1):281-91.
15. Waki H, Park KW, Mitro N, Pei L, Damoiseaux R, et al. (2007) **The Small Molecule Harmine Is an Antidiabetic Cell-Type-Specific Regulator of PPAR [gamma] Expression.** *Cell Metab.* 5(5):357-70.

FOR RESEARCH USE ONLY