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Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Technically
Speaking

CEDARLANE[®]
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Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

**Anti-Rat CD48
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL045AP	Purified	250µg	1.0 mg/ml	CLCMG100
CL045B/-5	Biotin	100µg/500µg	0.1 mg/ml	CLCMG115
CL045F/-5	FITC	100µg/500µg	0.1 mg/ml	CLCMG101
CL045PE/-4	PE	50µg/200µg	0.1 mg/ml	CLCMG104

Isotype: Mouse IgG1

DESCRIPTION:

Cedarlane's anti-rat CD48 (Blast-1) monoclonal antibody recognizes a rat cell surface glycoprotein of 45 kDa that is present on a wide variety of hematopoietic cells and on endothelial cells. The antigen is identical to the mouse BCM1 antigen. This antibody inhibits allogeneic mixed lymphocyte reactions using lymph node cells as responders and spleen cells as stimulators. CD48 has recently been identified as a ligand of the NK cell inhibitory receptor CD244.

This antibody is suitable for flow cytometry.

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.

Biotin, FITC and PE: Biotin/FITC/PE 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 **PE** conjugates. For long term storage (**Purified, Biotin** and **FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

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www.cedarlanelabs.com

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

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1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
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SPECIFICATIONS:

Clone: OX-45

Hybridoma Production:

Immunization: Immunogen: rat T cell blasts (stimulated purified T helper cells with allogeneic irradiated rat spleen cells)
Donor: BALB/c spleen

Fusion Partner: myeloma cell line NSO/1

Specificity: Rat CD48

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Rat Strain: Wistar

Cell Concentration: 1 x 10⁶ cells per test

Antibody Concentration Used: 0.5 µg/10⁶ cells

Cell Source

Thymus

Bone Marrow

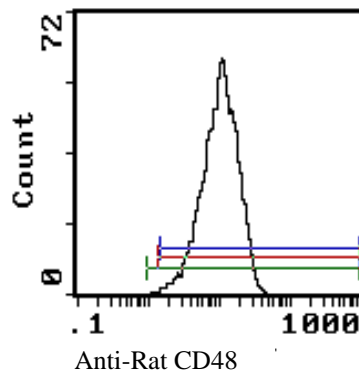
Lymph Node

Percentage of cells stained above control:

100%

100%

99.8%



Cell Source: Thymus

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. J. Arvieux, W.A. Jefferies, D. J. Patterson, A. F. Williams and J.R. Green. (1986) Monoclonal antibodies against a rat leukocyte antigen block antigen-induced T-cell responses via an effect on accessory cells. *Immunol.* **58** 337-342.
2. Wong *et al.*. (1990) Mouse BCM1 Antigen. *J Exp Med.* 171:2115.

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