

# Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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# Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

# Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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### Anti-Mouse CD80 (B7-1) **Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL8980AP	Purified	200 μg	1.0 mg/ml	CLCR2A00
CL8980B/-3	Biotin	100 μg/300 μg	0.1  mg/ml	CLCR2A15
CL8980F/-3	FITC	100 μg/300 μg	0.1 mg/ml	CLCR2A01
CL8980PE	PE	50 μg	0.1 mg/ml	CLCR2A04

Isotype: Rat IgG<sub>2a</sub>

#### **DESCRIPTION:**

Cedarlane's CL8980 reacts with the murine CD80 (B7-1) molecule. This member of the Ig superfamily, along with CD86 (B7-2), participates in T cell co-stimulation via interactions with CD28 and CTLA-4. CD80 is constitutively expressed on dendritic cells, monocytes, and peritoneal macrophages; and it is inducible on B cells by various means, including activation by LPS, IL-4, and the cross-linking of surface Ig. Expression of CD80 is greatly enhanced on splenic B cells following activation by LPS, with peak expression occurring between 48 and 72 hours. It has been reported that activation of purified B cells with LPS can induce CD80 expression in as few as 18 hours.

#### **PRESENTATION:**

Purified: Purified Ig buffered in PBS and 0.02% NaN<sub>3</sub>. 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:

Store at 4°C. DO NOT FREEZ 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.

#### **SPECIFICATIONS:**

Clone: RMMP-1

Specificity: Mouse CD80 (B7-1)

Visit our website for your local distributor.



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

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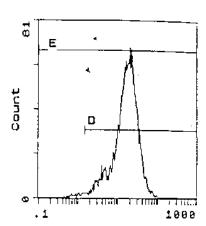
In the USA: Toll Free: 1-800-721-1644

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

#### **TEST RESULTS:**

<u>Tissue Distribution by Flow Cytometry Analysis:</u>

Cell Concentration:  $1x10^6$  cells per test Antibody Concentration Used:  $1.0 \mu g/10^6$  cells



Tissue: EL-4 cell line
Percentage of cells stained above control: 98.5%

- 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. Hathcock, K.S., G Laszlo, C. Pucillo, P. Linsley, and R.J. Hodes. 1994. Comparative analysis of B7-1 and B7-2 co-stimulatory ligands: Expression and function. *J. Exp. Med.* 180:631-640.

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