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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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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-Mouse PD-1 (CD279)
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL8982AP	Purified	250 µg	1.0 mg/ml	CLCHM00
CL8982B	Biotin	100 µg	0.1 mg/ml	CLCHM15
CL8982F	FITC	100 µg	0.1 mg/ml	CLCHM01
CL8982PE	PE	50 µg	0.1 mg/ml	CLCHM04
CL8982AF4	Alexa Fluor [®] 488	100 µg	0.1 mg/ml	N/A

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

Isotype: Hamster IgG

DESCRIPTION:

Cedarlane's PD1 monoclonal antibody reacts with mouse PD-1 (programmed death-1), a 55 kDa member of the Ig superfamily that has been demonstrated to play a key role in the regulation of immune response and peripheral tolerance. PD1 is expressed on activated T and B lymphocytes.

This antibody is suitable for use in flow cytometry.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography).

Biotin, FITC, PE and AF488: Biotin/FITC/PE/AF488 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 and AF488** conjugates. For long term storage (**Purified, Biotin, FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

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CEDARLANE[®] 

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
e-mail: service@cedarlanelabs.com

SPECIFICATIONS:

Clone: J43

Hybridoma Production:

Immunization:

Immunogen: Syrian Hamster kidney cell line BKH transfected with PD-1 cDNA.

Donor: Armenian Hamster

Fusion Partner: Mouse myeloma P3U1

Specificity: Mouse PD1

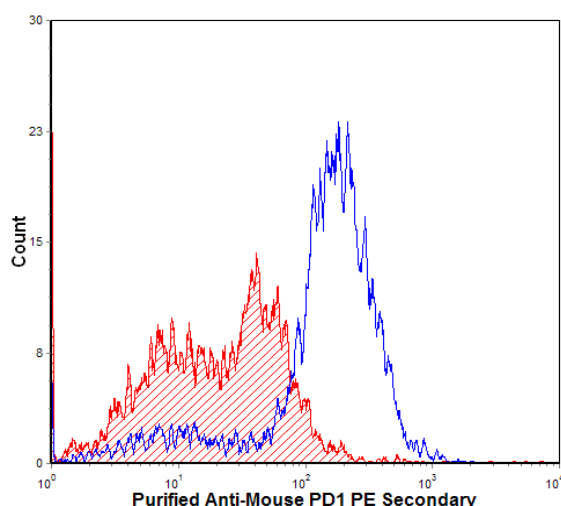
TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: Balb/c

Antibody Concentration Used: 2.0 µg/10⁶ cells

Isotypic Control (shaded): Purified Hamster IgG



Cell Source: Con A/IL2 activated T-Blasts from Balb/c spleen
Percentage of cells stained above control: 36.6%

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. Agata Y et al. 1996. Expression of the PD-1 antigen on the surface of stimulated mouse T and B lymphocytes. *International Immunology*. 8(5):765-772.
2. Ansari MJI et al. 2003. The Programmed Death-1 (PD-1) Pathway Regulates Autoimmune Diabetes in Nonobese Diabetic (NOD) Mice. *J. Exp. Med.* 198(1):63-69.

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