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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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-Mouse Tim-3 Receptor Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
CL8987AP	Purified	250 µg	1 mg/ml	CLCR2A00
CL8987B	Biotin	100 µg	0.1 mg/ml	CLCR2A15
CL8987F	FITC	100 µg	0.1 mg/ml	CLCR2A01
CL8987PE	PE	50 µg	0.1 mg/ml	CLCR2A04

Isotype: Rat IgG_{2a}, k

DESCRIPTION:

Cedarlane's anti-mouse Tim-3 (T cell immunoglobulin domain, mucin domain 3) monoclonal antibody reacts with mouse Tim-3. This 281 amino acid type 1 transmembrane protein contains an immunoglobulin and mucin-like domain in its extra-cellular portion and a tyrosine phosphorylation motif in its cytoplasmic portion. Tim-3 is a member of the immunoglobulin super-family and is expressed on Th₁ lymphocytes and CD11b⁺ macrophages.

Tim-3 is a T helper type 1 (T_H1)-specific molecule that regulates T_H1 mediated auto and alloimmune responses and the induction of peripheral immunological tolerance.

This antibody has been reported to work in Flow Cytometry and Immunohistochemistry.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximal recovery of contents, please quick-spin vial before opening.

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.

Continued Overleaf.....

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www.cedarlanelabs.com

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

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SPECIFICATIONS:

Clone: 25F-1.D6

Hybridoma Production:

Immunization:

Immunogen: Murine T cell clone AE7 cells

Donor: Lewis Rat spleen cells

Fusion Partner: Murine myeloma cell line SP2/0

Specificity: Mouse Tim-3 type 1 transmembrane protein

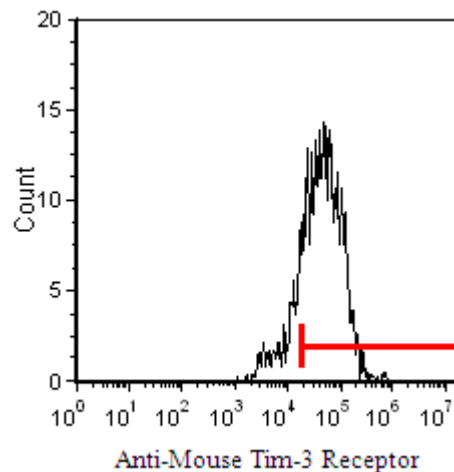
RESULTS:

Tissue distribution by Flow Cytometry Analysis:

Mouse Strain: C3H/He

Cell Concentration: 1×10^6 cells per test

Antibody Concentration: $1.0 \mu\text{g}/10^6$ cells



Cell Source: CD11b⁺ Peritoneal Macrophages

Percentage of cells stained above control: 82%

REFERENCES:

1. Sabatos C.A. et al. 2003. Interaction of Tim-3 and Tim-3 ligand regulates T helper type 1 responses and induction of peripheral tolerance. *Nature Immunology*. November, 4(11) 1102-1110.
2. Sanchez-Fueyo A. et al. 2003. Tim-3 inhibits T helper type 1-mediated auto- and alloimmune responses and promotes immunological tolerance. *Nature Immunology*. November, 4(11) 1093-1101.
3. Zhu C. et al. 2005. The Tim-3 ligand galectin-9 negatively regulates T helper type immunity. *Nature Immunology*, December, 6(12) 1245-1252.

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