

Monoclonal Antibody to CD4 - PE

Alternate names:	T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4
Catalog No.:	AM05638RP-N
Quantity:	100 TESTS/1.0ml
Concentration:	0.2mg/ml
Background:	CD4 is a single chain transmembraneous glycoprotein which belongs to the immunoglobulin superfamily, and is primarily expressed on peripheral blood monocytes and tissue macrophages. CD4 is also expressed on a subpopulation of regulatory T cells (CD4+CD25+), which play a key role in the maintenance of self tolerance.
Uniprot ID:	P06332
NCBI:	NP_038516.1
GeneID:	12504
Host / Isotype:	Rat / IgG2a
Clone:	RM4-5
Immunogen:	BALB/c mouse thymocytes
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: Phosphate buffered saline pH7.2 containing 0.09% Sodium Azide (NaN ₃) and 1% Bovine Serum Albumin Label: PE – R. Phycoerythrin (RPE)
Applications:	Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects CD4, a 55 kD protein also known as Ly-4 and L3T4. The RM4-5 antibody is useful for <i>in vitro</i> blocking of ligand binding, as well as <i>in vitro</i> CD4+ T cell depletions. Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
Caution:	(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

General Readings: 1. Fehervari, Z. and Sakaguchi, S. (2004) CD4+ Tregs and immune control. J. Clin. Invest. 114: 1209 - 1217.

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