

Monoclonal Antibody to CD4 - FITC

Alternate names:	T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4
Catalog No.:	AM05638FC-N
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	CD4 is a single chain transmembrane 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 fraction. Purification: Affinity Chromatography on Protein G. Buffer System: PBS, pH 7.2 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. 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. This antibody Clone RM4-5 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 for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General Readings:	1. Fehervari, Z. and Sakaguchi, S. (2004) CD4+ Tregs and immune control. J. Clin. Invest. 114: 1209-1217.

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

