

Monoclonal Antibody to CD3 - FITC

Alternate names:	T-cell surface antigen T3/Leu-4, T-cell surface glycoprotein CD3, T3/Leu-4
Catalog No.:	AM08104FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	CD3 epsilon, a member of the immunoglobulin superfamily of cell surface receptors, is comprised of five invariable chains (designated as gamma, delta, epsilon, zeta and eta) ranging in size from 16-28 kDa. CD3 epsilon is closely associated with the T cell antigen receptor (TCR), and is present on thymocytes, CD8+ and CD4+ positive cells. The CD3 epsilon complex mediates signal transduction. It plays a major role in signaling during antigen recognition, leading to T cell activation. The TCR/CD3E complex of T lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta. CD3 epsilon is expressed on all T cells of all mouse strains.
Uniprot ID:	Q7YRN2
NCBI:	NP_999392.1
GeneID:	397455
Host / Isotype:	Mouse / IgG1
Clone:	PPT3
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Porcine CD3e (Mr. 20 kDa). The Monoclonal antibody PPT3 is Mitogenic when presented to peripheral blood mononuclear cells in immobilized form. (Ref.1) Species: Pig. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Yang, H., C.A. Oura, P.A. Kirkham, and R.M.E. Parkhouse. 1996. Immunol. 88:577.

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



Pictures:

Immunofluorescent Staining: Peripheral blood mononuclear cells were isolated from heparinized pig blood on Ficoll-Hypaque density gradients and stained with Mouse anti-Pig CD3e-FITC. Lymphocytes were gated and analyzed on a FACScan(TM) flow cytometer (BDIS, San Jose, CA). Amount Used: 1 µg/10e6 cells.

