

## Acris Antibodies, Inc.

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## AM08105FC-N Acris Antibodies GmbH

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## **Monoclonal Antibody to CD3 - FITC**

Alternate names: T-cell surface antigen T3/Leu-4, T-cell surface glycoprotein CD3, T3/Leu-4

Catalog No.: AM08105FC-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: <u>Q7YRN2</u>

NCBI: NP 999392.1

GenelD: <u>397455</u>

Host / Isotype: Mouse / IgG2b Clone: BB23-8E6

**Format:** State: Liquid purified lg fraction.

**Buffer System:** PBS containing 0.09% Sodium Azide as preservative.

Label: FITC - Fluorescein Isothiocyanate Isomer 1

**Applications:** Flow Cytometry:  $\langle \ \ | = 1 \, \mu g / 10e6 \, \text{cells.}$  (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 BB238E6 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. Pescovitz, M.D. Personal communication.

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

