

Product datasheet for **AM08105BT-N**

CD3E Mouse Monoclonal Antibody [Clone ID: BB23-8E6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BB23-8E6
Applications:	FC
Recommended Dilution:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1)
Reactivity:	Porcine
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
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)
Formulation:	PBS containing 0.09% Sodium Azide as preservative. Label: Biotin State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Biotin
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.
Stability:	Shelf life: one year from despatch.
Database Link:	<u>Q7YRN2</u>



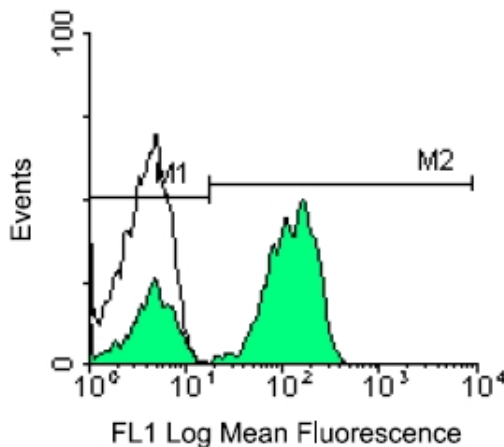
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Background:

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.

Synonyms:

T3/Leu-4

Product images:


Immunofluorescent Staining: Peripheral blood mononuclear cells were isolated from heparinized porcine blood on Ficoll-Hypaque density gradients and incubated with Mouse anti-Porcine CD3e-Biotin, then detected with Streptavidin-FITC. Lymphocytes were gated using light scatter criteria and analyzed on a FACScan (TM) flow cytometer (BD, San Jose, CA). Amount Used: 0.3 ug/10e6 cells.