

Product datasheet for **AM05528FC-N**

CD3E Mouse Monoclonal Antibody [Clone ID: CA17.2A12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CA17.2A12
Applications:	FC
Recommended Dilution:	Flow Cytometry.
Reactivity:	Canine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises the canine CD3 cell surface antigen, expressed by mature T lymphocytes. This antibody should not be used with AM05866RP-N (mouse anti canine B-cells), in dual colour flow cytometry, due to non-specific interactions between the two reagents.
Formulation:	Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide, 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
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.
Stability:	Shelf life: one year from despatch.
Database Link:	P27597



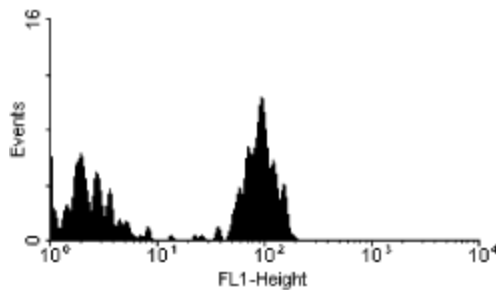
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Background:

T cell activation through the antigen receptor (TCR) involves the cytoplasmic tails of the CD3 subunits: CD3 gamma, CD3 delta, CD3 epsilon and CD3 zeta. These CD3 subunits are structurally related members of the immunoglobulins super family encoded by closely linked genes on human chromosome 11. The CD3 components have long cytoplasmic tails that associate with cytoplasmic signal transduction molecules. This association is mediated at least in part by a double tyrosine based motif present in a single copy in the CD3 subunits. CD3 may play a role in TCR induced growth arrest, cell survival and proliferation. The CD3 antigen is present on 68-82% of normal peripheral blood lymphocytes, 65-85% of thymocytes and Purkinje cells in the cerebellum. It is never expressed on B or NK cells. Decreased percentages of T lymphocytes may be observed in some autoimmune diseases.

Synonyms:

T3/Leu-4

Product images:

This antibody staining of canine peripheral blood lymphocytes.