

Product datasheet for **AM05170AC-N**

CD3E Mouse Monoclonal Antibody [Clone ID: M2AB]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M2AB
Applications:	FC
Recommended Dilution:	Flow Cytometry. This antibody is suitable for Monitoring of T cells subsets in peripheral blood, Characterization of subtypes of T cell leukemia's and lymphomas, Studies of AIDS/HIV virus infection, Analysis of CD3 complex related to the T cell antigen receptor.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	CD3=Derived from the hybridization of mouse NS-1 myeloma cells with spleen cells from BALB/c mice immunized with human thymocytes.
Formulation:	PBS with 0.08% sodium azide as preservative and 0.2% protein carrier. Label: APC State: Liquid (sterile filtered) IgG fraction. Label: analyzed in multi-color flow cytometry with instrument equipped with a second laser and proper filters. Laser excitation is at 633 nm with a Helium Neon (HeNe) laser or a 600-640 nm (633 nm) range for a Dye laser. Peak fluorescence emission is at 660 nm
Concentration:	lot specific
Conjugation:	APC
Storage:	Store the antibody (undiluted) at 2-8°C. Do Not Freeze!
Stability:	Shelf life: One year from despatch.
Gene Name:	CD3e molecule
Database Link:	Entrez Gene 916 Human P07766



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Background:	<p>The CD3 epitope is expressed on the epsilon chain of the CD3/T cell antigen receptor (TcR) complex.</p> <p>CD3 is present on 65-85% of thymocytes and has a mitogenic effect on peripheral blood T cells.</p> <p>Identification of human T cells expressing the 22-28,000 M.W. surface antigen.</p>
Synonyms:	T3/Leu-4
Note:	<p>Protocol: PBMC:</p> <p>Add 10 ul of Antibody/10e6 PBMC in 100 ul PBS. Mix gently and incubate for 15 minutes at 2-8°C.</p> <p>Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.</p> <p>WHOLE BLOOD:</p> <p>Add 10 ul of Antibody/100 ul of whole blood.</p> <p>Mix gently and incubate for 15 minutes at room temperature 20°C.</p> <p>Lyse the whole blood.</p> <p>Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.</p> <p>See instrument manufacturer's instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.</p>