

Product datasheet for **AM05169AC-N**

CD2 Mouse Monoclonal Antibody [Clone ID: T6.3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	T6.3
Applications:	FC
Recommended Dilution:	Suitable for Monitoring of T cells in peripheral blood, Analysis of NK subsets, Study of T cell activation. Flow cytometry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Derived from hybridization of mouse Sp2/0 myeloma cells with spleen cells from BALB/c mice immunized with T Lymphocytes activated by mixed lymphocyte culture.
Specificity:	This antibody is analyzed in multi-color with instruments 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.
Formulation:	PBS with 0.08% sodium azide as preservative and 0.2% protein carrier. Label: APC State: Liquid IgG fraction. Label: Allophycocyanin
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:	CD2 molecule
Database Link:	Entrez Gene 914 Human P06729



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Background:	Identification of human T cells and subset of NK cells associated with the receptor for sheep erythrocytes rosettes expressing the 45-50,000 M.W. surface antigen.
Synonyms:	SRBC, Erythrocyte receptor, LFA-2, LFA-3 receptor, Rosette receptor
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. 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. Mix gently and incubate for 15 minutes at room temperature 20°C. Lyse the whole blood. Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. See instrument manufacturer's instructions for Lysed Whole Blood and Immunofluorescence analysis with a Flow cytometer or microscope.</p>