



CD2*

Product: Anti human T and NK subset Lymphocytes monoclonal antibody.

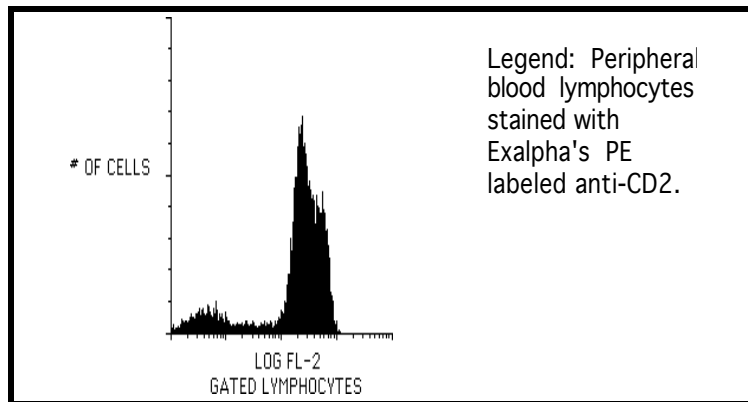
Description: Identification of human T cells and subset of NK cells associated with the receptor for sheep erythrocytes rosettes expressing the 45-50,000 M.W. surface antigen.

Isotype: Mouse IgG-2A kappa

Clone: T6.3

Applications: Monitoring of T cells in peripheral blood; Analysis of NK subsets; Study of T cell activation.

Use: PBMC: Add 10 μ l of MAB/10⁶ PBMC in 100 μ l PBS. Mix gently and incubate for 15 minutes at 2^o to 8^oC. Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.
WHOLE BLOOD: Add 10 μ l of MAB/100 μ l of whole blood. Mix gently and incubate for 15 minutes at room temperature 20^oC. 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.
ALLOPHYCOCYANIN: (APC) conjugates are analyzed in multi-color flow cytometry 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.



Storage: Unconjugated antibodies supplied as a 1 mg/ml solution PBS and 0.08% sodium azide and should be stored at -20^oC. Conjugated antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier and should be stored at 4-8^oC. Conjugated antibodies should not be frozen. Reagents are stable for the period shown on the vial label when stored properly.

* Pure form tested for Exalpa for cross-reactivity with *Macaca* species monkey.

Ordering Information:	Form	Vial Size	Catalog #
	Pure*	100 μ g	0021
	FITC	100 Test	0022
	Biotin	100 Test	0023
	PE	100 Test	0024
	APC	100 Test	AP02

For research use only. Not for use in human diagnostics or therapeutics.

REFERENCES:

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3. Partial deletions of the cytoplasm domain of CD2 result in a partial defect in signal transduction. Bierer B.E., Bogart R.E., Burakoff S.J., J. Immunol. 1990 Feb. :144(3):785.
4. Functional CD2 mutants unable to bind to, or be stimulated by, LFA-3. Wolff H.L., Burakoff S.J., Bierer B.E., J. Immunol. 1990 Feb. 1;144(4):1215-20.
5. Association of CD2 and CD45 on human T lymphocytes. Schraven B., Samstag Y., Altevogt P., Meuer S.C., Nature 1990 May ;345(6270):71-4 .

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