



CD38

Product: Anti-human CD38 receptor Monoclonal Antibody.

Description: CD38 antigen is an integral membrane glycoprotein, M.W. 45 kD. The CD38 antigen is present on approximately all pre-B lymphocytes, plasma cells and thymocytes. CD38 antigen is also expressed on activated T Lymphocytes, NK Cells, monocytes, myeloblasts and erythroblasts. CD38 is co-expressed on CD34+ cells, but is not expressed on pluripotent stem cells. CD38 antigen is present on T and B lymphoblastic leukemia (ALL), Burkitts' lymphoma, multiple myeloma and acute myeloid leukemia (AML).

Isotype Mouse IgG1 kappa.

Clone: TME-2

Applications: Monitoring of activated T cell subsets in peripheral blood; Study of T lymphocyte cytokine function; Study of B cell differentiation; Study of AIDS virus infection.

Use PBMC: Add 10 μ l of MAB/10⁶ PBMC in 100 μ l PBS. Mix gently and incubate for 15 minutes at 20^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.

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.

Ordering Information:	Form	Vial Size	Catalog #
	Pure	100 μ g	0381
	FITC	100 Test	0382
	PE	100 Test	0384

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

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