

<u>Product:</u>	Anti-Human T cell Monoclonal Antibody / Anti-Human B and T subset Lymphocyte Monoclonal Antibody
<u>Description:</u>	<p>The CD3 epitope is expressed on the epsilon chain of the CD3/T cell antigen receptor (TcR) complex. CD3 is present on 65-85% of thymocytes and has a mitogenic effect on peripheral blood T cells. Identification of human T cells expressing the 22-28,000 M.W. surface antigen.</p> <p>The HLADR epitope is a monomorphic determinant of human HLA class II molecules with estimated molecular weights of 29 - 34 kDa. These molecules are found on Antigen-Presenting Cells (APC), i.e. B lymphocytes, monocytes, macrophages, and thymic epithelial cells. They are also expressed on activated T cells, but not on granulocytes, platelets, and red blood cells. Resting T cells or endothelial cells that do not normally express these molecules can be induced to express them. These molecules are involved in cellular interactions among immuno-competent cells.</p>
<u>Isotype:</u>	Mouse IgG2a / Mouse IgG2a respectively
<u>Clone Number:</u>	Cris-7 / 423L respectively
<u>Volume / Quantity:</u>	1mL / 100 Test
<u>Buffer:</u>	Phosphate buffered saline.
<u>Preservatives</u>	0.1% Sodium Azide (NaN ₃)
<u>Stabilisers:</u>	0.2% Bovine Serum Albumin (BSA)
<u>Applications:</u>	Monitoring of T and B cells in peripheral blood. Analysis of B subsets. Study of B cell activation. Study of B cell neoplasms.
<u>Flow Cytometry:</u>	Add 10 µl of MAB/100 µl of whole blood. Mix gently and incubate for 10 minutes at room temperature 20° C in dark. Add 2 ml of Lysing solution QUICKLYSIS in each tube. Mix and cover the tubes with Parafilm, and left them in the dark during 10 minutes at room temperature. It is

recommended maintain the tubes in horizontal and shake from time to time during incubation time.

Read in a flow cytometer in the following three hours after their preparation. When the samples are not going to be read immediately after their preparation, it is recommended maintain the samples at 4° C in the dark until their processed.

Storage Conditions:

Store at + 2 – 8 °C. DO NOT FREEZE.

This product is photosensitive and should be protected from lighth.

Reagents are stable for the period shown on the vial label when stored properly.

Health and Safety

Information:

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

References:

1. Knowles RW. Leukocyte Typing II, Human T Lymphocytes. New York, NY: Springer-Verlag; 1986:259
2. Kurrle R. Leukocyte Typing IV, White cell Differentiation Antigens. Oxford, England: Oxford Press 1989:293
3. Turka LA et al. J Immunol. 1991, 146(5): 1428-36
4. Janssen O et al. J Immunol. 1991, 146(1): 35-9
5. Hori T et al. J immunol. 1991, 146(7): 2116-21
6. Jin YJ. Proc Natl Acad Sci USA 1990, 87 (9): 3319-23
7. Shapiro HM et al. Cytometry 1983, 4: 276
8. Loken MR et al. Cytometry 1987, 8: 96
9. Gerrard TL et al., J. Immunol., June 1; 144 (12): 4670-4, 1990.
10. Karp DR et al., J. Exp. Med., March; 171 (3): 615-28, 1990.
11. Hu KQ et al., Proc. Natl. Acad. Sci. USA, Sept; 87 (18): 7140-4, 1990.
12. Verfaillie C et al., J. Exp. Med., Aug; 172 (2): 509-2, 1990.
13. Pantaleo G et al., J. Immunol., Mar; 144 (5): 1696-704, 1990.
14. Raziuddin S et al., Scand. J. Immunol., Feb; 31 (2): 139-45, 1990.

Lot specific data:

For research purposes only. Not for therapeutic or diagnostic use.