Category:	Cat. #	Product Name:
Monoclonal Antibodies	V3247	**CD5**

Description:
Monoclonal Mouse Anti-Human T-cell, CD5

Immunogen:
Recombinant prokaryotic fusion protein corresponding to the external domain of the CD5 molecule.

Application:
Immunohistochemistry 1:50-1:100.(Frozen sections only)
Flow Cytometry 1:150-1:300.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Lymph Node, Tonsil

Presentation:
20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:
Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good dilutent to use with most antibodies.

Staining Procedure:
This antibody can be used on formalin-fixed paraffin-embedded tissue sections. We recommend an incubation time and temperature of 30 minutes at 37°C when using paraffin-embedded and formalin-fixed tissues, high temperature antigenic unmasking technique is strongly recommended for consistent and reproducible results.

Specificity:
This antibody reacts with a 67 kD molecule present on the surface of more than 95% normal human thymocytes, 72% of peripheral blood lymphocytes, most T-cells and a B-cell subset. This antibody reacts with the great majority of T-cells in peripheral lymphoid tissue. It recognizes T-cell zones in normal lymph nodes and many T-cell leukemias and lymphomas.

Storage:
Store at 2~8o C for short term, freeze under -20oC for long term storage.

Size: 0.2 mg
Clone: U215 (NKI-CD5)
Isotype: IgG1
Host: Mouse
Form: Purified
Concentration: 0.5 mg/ml
Units On Hand: YES

References:

1. Chan, J.K.C., et al, Histopatholgy, 25: 517-536, 1994.
2. Kasaian, M.T., et al, Proc. Soc. Experimental Biol. and Medicine, 197: 226-241, 1991.
3. Jones, N.H. et al, Nature, 323:346-349, 1986.

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