



**Category:** Monoclonal Antibodies      **Cat. #** V6004      **Product Name:** CD3 -Purified

**Description:**  
Monoclonal Mouse Anti-Human T-cell, CD3

**Immunogen:**  
Human peripheral lymphocytes.

**Application:**  
Immunohistochemistry (Frozen tissue, fixed with acetone) 1:50-1:100. FLOW

**Species Reactivity:**  
Human. Others not tested.

**Recommended Positive Control:**  
Tonsil, Thymus, Spleen

**Presentation:**  
50 mM Sodium Borate, 150 mM Sodium Chloride, 20% Glycerol and 0.05% Sodium azide, pH 8.0.

**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 diluent to use with most antibodies.

**Staining Procedure:**  
It is recommended that this product be used in frozen tissue sections or specimens. For a three-step avidin-biotin complex system, a dilution of 1:50 to 1:200 may be used as a guideline. The optimal conditions should be determined by the individual laboratory. This product is not suitable for use on formalin-fixed, paraffin-embedded sections.

**Specificity:**  
This antibody reacts with 5 invariable CD3 chains: CD3y or gp26, CD3d or gp20, CD3e or gp20, CD3f or p16 (homodimer), CD3n or p28. Molecular mass: 25-28, 20 and 16 kD. It reacts mainly with T-cells, including thymocytes, mature T -cells, and T-cell lines.

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

**Size:** 0.2 mg  
**Clone:** B355(RIV-9)  
**Isotype:** IgG3  
**Host:** Mouse  
**Form:** Purified  
**Concentration:** .0.5mg/ml  
**Units On Hand:** YES

**References:**  
1. Alberola-Ila, J. etal, J. Immunol. 146:1085-1092, 1991.  
2. McMicvhael, A.J. etal, Leucocyte Typing III, Oxford University Press, 1987.  
3. Knapp, W. etal, Leucocyte Typing IV, Oxford UNiversity Press, 1989.

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