

**CD3 (Early T Cell Marker)**

Catalog # RM-9107-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml)

Catalog # RM-9107-R7 (7.0ml)

Please note this data sheet has been changed effective March 29, 2010

**INTENDED USE:**

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** This antibody reacts with the intracytoplasmic portion of the CD3 antigen expressed by T cells. It stains human T cells in both the cortex and medulla of the thymus and in peripheral lymphoid tissues. This antibody is suitable for staining normal and neoplastic T cells in formalin-fixed, paraffin-embedded tissues.
- **Expected Staining Pattern:** Cell Membrane
- **Positive Control:** Jurkat cells, Tonsil

**MATERIALS PROVIDED:**

**CD3 (Early T Cell Marker) (refer to catalog number):**

- #RM-9107-S (or -S0, -S1): Tissue culture supernatant, concentrated, with 0.09% Sodium Azide.  
or
- #RM-9107-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.
- **Antibody Concentration:** Not known
- **Host:** Rabbit
- **Epitope:** 156-168aa
- **Species Reactivity:** Human. Other species not tested..
- **Clone Designation:** SP7
- **Ig Isotype / Light Chain:** Rabbit IgG
- **Immunogen:** A synthetic 13-mer peptide corresponding to aa 156-168 of the epsilon chain of human CD3 protein.
- **Microbiological State:** This product is not sterile.

**MATERIALS REQUIRED, BUT NOT PROVIDED:**

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

**METHODS AND PROCEDURES:**

<b>Using UltraVision LP detection systems</b>	
<b>Specimen Preparation</b>	Refer to the "General Protocol" instructions.
<b>Dilution of Concentrated Antibody</b>	1:150 in antibody diluent
<b>Tissue Section Pretreatment</b>	Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0 (Lab Vision catalog # AP-9003), for 10-20 minutes followed by cooling at room temperature for 20 min.
<b>Primary Antibody Incubation Time</b>	20 minutes at Room Temperature
<b>Visualization</b>	To detect antibody, follow the instructions provided with the visualization system.

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<b>Using UltraVision Quanto detection systems</b>	
<b>Specimen Preparation</b>	Refer to the "General Protocol" instructions.
<b>Dilution of Concentrated Antibody</b>	1:300 in antibody diluent
<b>Tissue Section Pretreatment</b>	Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0 (Lab Vision catalog # AP-9003), for 10-20 minutes followed by cooling at room temperature for 20 min.
<b>Primary Antibody Incubation Time</b>	20 minutes using the Quanto detection systems at Room Temperature
<b>Visualization</b>	To detect antibody, follow the instructions provided with the visualization system.

**STORAGE and STABILITY:**

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.