

**Pax-5.**

Catalog # RM-9133-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml)

Catalog # RM-9133-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:** Pax-5 is a B-cell-specific activator protein (BSAP). In the early stages of B cell development, Pax-5 influences the expression of several B-cell-specific genes, such as CD19 and CD20. Pax-5 is expressed primarily in pro-, pre-, and mature B cells, but not in plasma cells. Pax5 is expressed in most B-cell malignancies (pre-B and mature B cell lymphomas/ leukemias). Over 90% of cases are positive for Pax5 in Hodgkin's lymphoma, lymphoplasmacytic lymphoma, Merkel cell and small cell carcinoma. T-cell lymphomas, myeloma/ plasmacytoma and carcinoid tumors are negative for Pax5.
- **Expected Staining Pattern:** Nuclear
- **Positive Control:** Tonsil

**MATERIALS PROVIDED:**

**Pax-5. (refer to catalog number):**

- #RM-9133-S, (or -S0, -S1): Tissue culture supernatant, concentrated, with 0.09% Sodium Azide.
- or
- #RM-9133-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
- **Mol. Wt. of Antigen:** 50kDa
- **Species Reactivity:** Human. Others not tested.
- **Clone Designation:** SP34
- **Ig Isotype / Light Chain:** Rabbit IgG
- **Immunogen:** Synthetic peptide derived from the C-terminus of human Pax-5 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>	1:50 in antibody diluent.
<b>Tissue Section Pretreatment</b>	Staining of formalin-fixed sections require heat induced antigen retrieval using EDTA, pH 8.0 (Cat.# AP-9004-XXX or TA-XXX-PM2X), heating to 98°C for 20 min using the Thermo Scientific PTModule
<b>Primary Antibody Incubation Time</b>	20 min using the LP detection systems at Room Temperature
<b>Visualization</b>	To detect antibody, follow the instructions provided with the visualization system.

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Catalog # RM-9133-R7 (7.0ml)

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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>	1:100 in antibody diluent.
<b>Tissue Section Pretreatment</b>	Staining of formalin-fixed sections require heat induced antigen retrieval using EDTA, pH 8.0 (Cat.# AP-9004-XXX or TA-XXX-PM2X), heating to 98°C for 20 min using the Thermo Scientific PTModule
<b>Primary Antibody Incubation Time</b>	20 min at RT 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.

**REFERENCES:**

- 1) Jensen KC et al. (2007) Mod Pathol. 20: 871-77
- 2) Dong HY et al. (2005) AJSP. 29: 687-92
- 3) Torlakovic E et al. (2002) AJSP; 26:1343-50