

Pax-5.

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

Catalog # RM-9133-R7 (7.0ml)

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:

Specimen Preparation	Refer to the "General Protocol" instructions.
Dilution of Concentrated Antibody	1:50 in antibody diluent.
Tissue Section Pretreatment	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
Primary Antibody Incubation Time	20 min at RT using the LP detection systems at Room Temperature
Visualization	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 at. (2002) AJSP; 26:1343-50