

## PAX-5 Mouse Monoclonal Antibody Product Datasheet

Catalog# BX50195

Clone# BPM6172

**Predicted Molecular Wt:** 42kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** Q02548

### Background:

Pax genes are a family of developmental control genes that encode nuclear transcription factors and have been implicated in the control of mammalian development.

PAX-5 is a marker for B-cells, including B-lymphoblastic neoplasms and maturation stage. It is found in most cases of mature and precursor B-cell non-Hodgkin lymphomas/leukemias. In approximately 97% of cases of classic Hodgkin lymphoma, Reed-Sternberg cells express PAX-5.

The antibody is a useful tool for the identification of pro, pre, and mature B cells and for classification of lymphomas and subclassification of classic Hodgkin's lymphoma and anaplastic large cell lymphoma of the T and null-cell type.

### Subcellular location:

Nucleus

### Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Synthetic peptide corresponding to residues within aa300 to aa400 of PAX-5 was used as an immunogen.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage conditions:

-20°C

### Storage instructions:

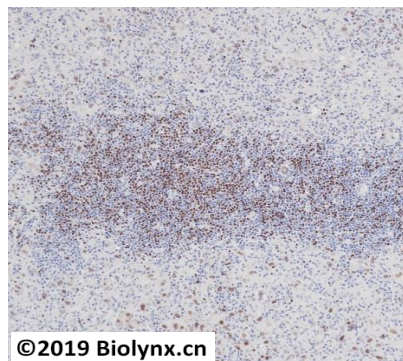
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:


IHC-P: 1:100-1:200

### Background References:

1. Abdelrasoul H et al. Sci Rep 8:1327 (2018).
2. Hijano DR et al. Sci Rep 8:11034 (2018)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Hodgkin's lymphoma labelling PAX-5 with BPM6172. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.