PAX5 / BSAP (Early B-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone PCRP-PAX5-1B7]

Catalog No	Format	Size
5079-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5079-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5079-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

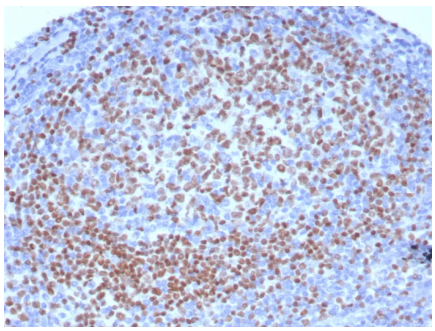
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

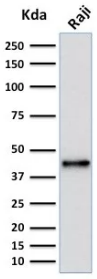
Clone	PCRP-PAX5-1B7
Gene Name	PAX5
Immunogen	Recombinant full-length human PAX5 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	42kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	DAUDI or Ramos cells. Human tonsil|lymph node or colon carcinoma.|Raji|spleen

**Optimal dilution for a specific application should be determined.*

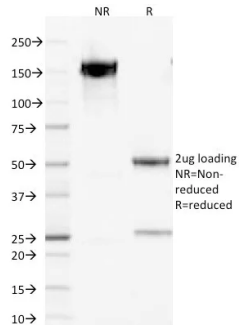
Product Images for PAX5 / BSAP (Early B-Cell Marker) Antibody



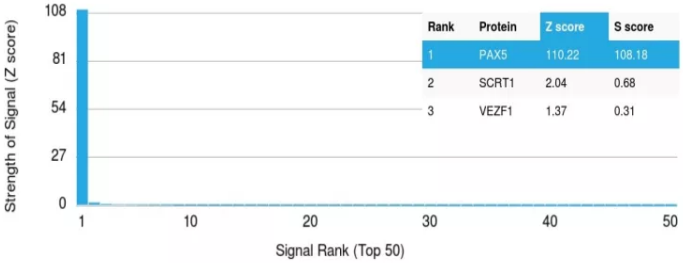
Formalin-fixed, paraffin-embedded human tonsil stained with PAX5 Mouse Monoclonal Antibody (PCRP-PAX5-1B7). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.



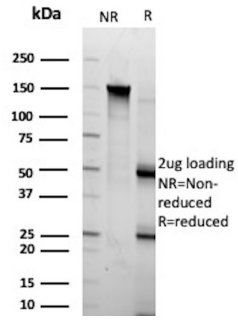
Western blot analysis of Raji cell lysates using PAX5 Mouse Monoclonal Antibody (PCRP-PAX5-1B7).



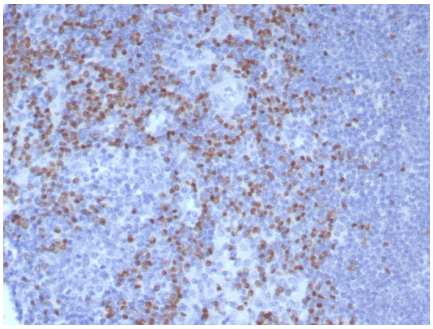
SDS-PAGE Analysis of Purified PAX5 Mouse Monoclonal Antibody (PCRP-PAX5-1B7). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing PAX5 Mouse Monoclonal Antibody (PCRP-PAX5-1B7). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified Paired box protein Pax-5 Mouse Monoclonal Antibody (PCRP-PAX5-1B7). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human lymph node stained with PAX5 Mouse Monoclonal Antibody (PCRP-PAX5-1B7). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

The specificity of this monoclonal antibody to its intended target was validated by HuProtTM Array, containing more than 19,000, full-length human proteins. The PAX5 gene is a member of the paired box (PAX) family of transcription factors. The central feature of this gene family is a novel, highly conserved DNA-binding domain, known as the paired box. The PAX proteins are important regulators in early development, and alterations in the expression of their genes are thought to contribute to neoplastic transformation. The PAX5 gene encodes the B-cell lineage specific activator protein (BSAP) that is expressed at early, but not late stages of B-cell differentiation. Its expression has also been detected in developing CNS and testis; therefore, PAX5 gene product may not only play an important role in B-cell differentiation, but also in neural development and spermatogenesis.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

B Cell Markers, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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