

## PAX5 / BSAP (Early B-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone PAX5/3735]

| Catalog No      | Format  | Size   |
|-----------------|---|--------|
| 5079-MSM6-P0    | Purified Ab with BSA and Azide at 200ug/ml    | 20 ug  |
| 5079-MSM6-P1    | Purified Ab with BSA and Azide at 200ug/ml    | 100 ug |
| 5079-MSM6-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

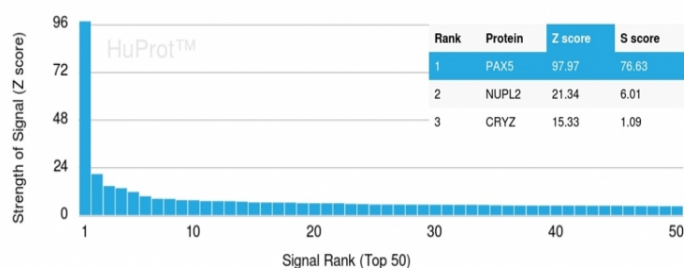
| Applications               | Tested Dillution | Note  |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml         | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed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

### Product Details

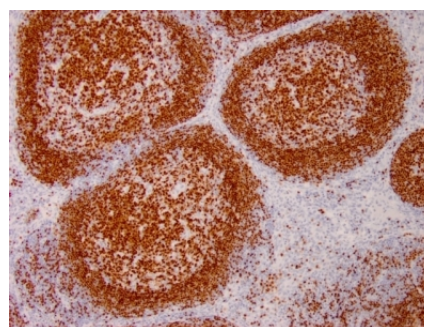
|                               |  |
|-------------------------------|--|
| <b>Clone</b>                  | PAX5/3735  |
| <b>Gene Name</b>              | PAX5   |
| <b>Immunogen</b>              | A recombinant fragment (around aa 235-382) of human PAX5 protein (exact sequence is proprietary) |
| <b>Host</b>                   | Mouse  |
| <b>Clonality</b>              | Monoclonal   |
| <b>Isotype / Light Chain</b>  | IgG1 / Lambda  |
| <b>Mol. Weight of Antigen</b> | 42kDa  |
| <b>Cellular Localization</b>  | Nucleus  |
| <b>Species Reactivity</b>     | Human  |
| <b>Positive Control</b>       | Raji   |

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

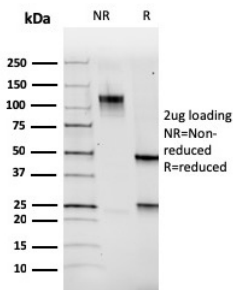
### Product Images for PAX5 / BSAP (Early B-Cell Marker) Antibody



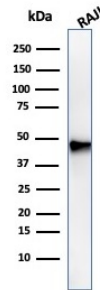
Analysis of Protein Array containing more than 21,000 full-length human proteins using PAX5 Mouse Monoclonal Antibody (PAX5/3735) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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 HuProt™ 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 Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to be specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody 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 Monoclonal Antibody to protein X is equal to 29.



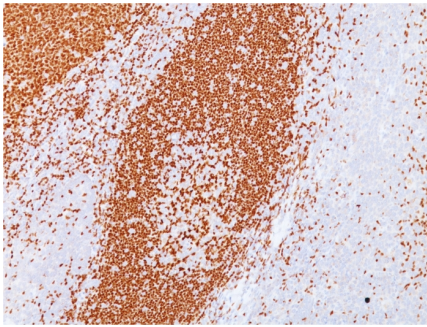
Formalin-fixed, paraffin-embedded human Tonsil stained with PAX5 Mouse Monoclonal Antibody (PAX5/3735).



SDS-PAGE Analysis Purified PAX5 Mouse Monoclonal Antibody (PAX5/3735). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Raji cell lysate using PAX5 Mouse Monoclonal Antibody (PAX5/3735).



Formalin-fixed, paraffin-embedded human Tonsil stained with PAX5 Mouse Monoclonal Antibody (PAX5/3735).

### Specificity & Comments

The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 21,000, 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 oncogenic 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.

### 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.

### 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