

Recombinant PU.1 (SPI-1) (B-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone rPU1/2146]

Catalog No	Format	Size
6688-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6688-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6688-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

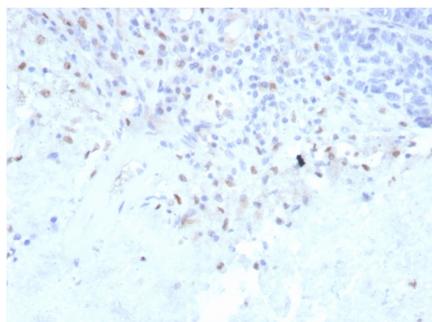
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

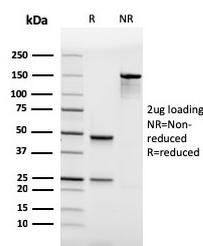
Clone	rPU1/2146
Gene Name	SPI1
Immunogen	Recombinant fragment (around aa 16-170) of human PU.1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	40kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Colon carcinoma., Hodgkin s Lymphoma, K562 or THP-1 cells. Lymph Node, Ramos, Spleen, Raji.

*Optimal dilution for a specific application should be determined.

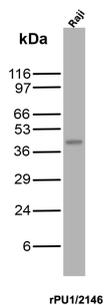
Product Images for Recombinant PU.1 (SPI-1) (B-Cell Marker) Antibody



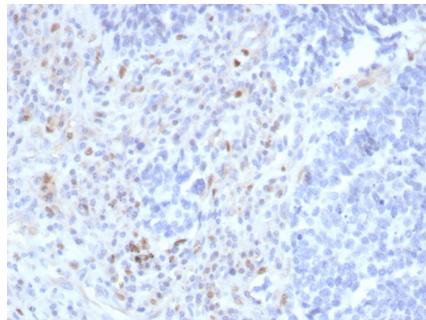
Formalin-fixed, paraffin-embedded human lymph node stained with PU.1 Recombinant Mouse Monoclonal Antibody (rPU1/2146).



SDS-PAGE Analysis of Purified PU.1 Recombinant Mouse Monoclonal Antibody (rPU1/2146). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Raji cell lysate using PU.1-Monospecific Recombinant Mouse Monoclonal Antibody (rPU1/2146).



Formalin-fixed, paraffin-embedded human lymph node stained with PU.1 Recombinant Mouse Monoclonal Antibody (rPU1/2146).

Specificity & Comments

PU.1 is a member of the ETS family of transcription factors and is important for normal B-cell development. It is expressed in the myeloid lineage and in immature as well as mature B-lymphocytes, with the exception of plasma cells. PU.1 is expressed in germinal center B-cells and mantle B-cells. Various lymphomas are also positive for this marker. It is essential during early B-cell differentiation. The absence of PU.1 results in total block of B-cell development at the pre-pro stage. PU.1 plays a key role in normal myeloid differentiation, and regulates the expression of immunoglobulin and other genes that are important for B-cell development.

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

Developmental Biology, Nuclear Marker, Transcription Factors