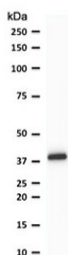


## PU.1 Antibody / SPI1 [clone TFPU1-1] (V3882)

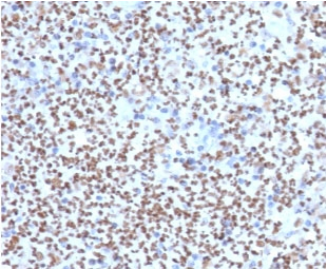
Catalog No.	Formulation	Size
V3882-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3882-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3882SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

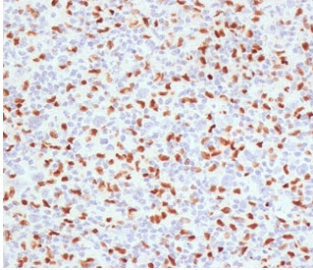
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	TFPU1-1
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P17947
<b>Localization</b>	Nuclear
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml
<b>Limitations</b>	This PU.1 antibody is available for research use only.



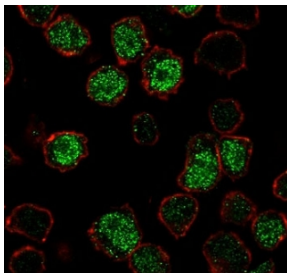
Western blot testing of human THP-1 cell lysate with PU.1 antibody (clone TFPU1-1). Predicted molecular weight ~31 kDa but routinely observed at ~40 kDa.



IHC staining of FFPE human lymph node with PU.1 antibody (clone TFPU1-1). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE human Hodgkin's lymphoma with PU.1 antibody (clone TFPU1-1). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Immunofluorescent staining of PFA-fixed human Ramos cells with PU.1 antibody (green, clone TFPU1-1) and Phalloidin (red).

## Description

Binds to the PU-box, a purine-rich DNA sequence (5'-GAGGAA-3') that can act as a lymphoid-specific enhancer. This protein is a transcriptional activator that may be specifically involved in the differentiation or activation of macrophages or B-cells. Also binds RNA and may modulate pre-mRNA splicing (By similarity). [UniProt]

## Application Notes

The stated application concentrations are suggested starting points. Titration of the PU.1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 16-170 from the human protein was used as the immunogen for the PU.1 antibody.

## Storage

Store the PU.1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

