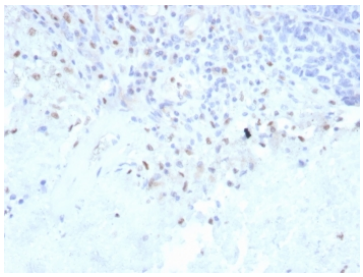
Recombinant PU.1 Antibody / SPI1 [clone rPU1/2146] (V8948)

Catalog No.	Formulation	Size
V8948-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8948-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8948SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

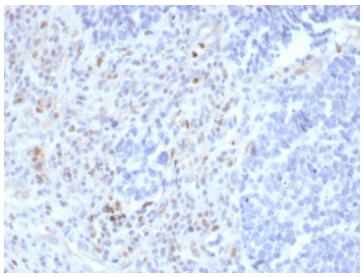
Recombinant | MOUSE MONOCLONAL

Bulk quote request

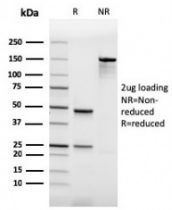
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rPU1/2146
Purity	Protein A/G affinity
UniProt	P17947
Localization	Nuclear
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant PU.1 antibody is available for research use only.



IHC staining of FFPE human lymph node with recombinant PU.1 antibody (clone rPU1/2146). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lymph node tissue with recombinant PU.1 antibody (clone rPU1/2146). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant PU.1 antibody (clone rPU1/2146) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the recombinant PU.1 antibody should be determined by the researcher.

Immunogen

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

Storage

Aliquot the recombinant PU.1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.