

Mouse PU.1 (SPI-1) Monoclonal Antibody | anti-PU.1 antibody

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

CATALOG # AAA23903	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

PU.1 (SPI-1); Monoclonal Antibody; PU.1 (SPI-1) (B-Cell Marker); Transcription Factor spi1; 31kDa Transforming Protein; Hematopoietic Transcription Factor PU.1; SFPI1; SPI1; SPIA; Spleen focus forming virus (SFFV) proviral integration oncogene spi1; anti-PU.1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	PU1/2146
Specificity	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.
Form/Format	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.
Sequence Length	271
Applicable Applications for anti-PU.1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 0.5-1ug/ml IHC-F: 1-2ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
Immunogen	Recombinant fragment (around aa 16-170) of human PU.1 protein
Cellular Localization	Nuclear
Hu-chromosome Location	11p11.2
Positive Control	K-562 Cells, THP-1 cells. Lymph Node, Spleen, Hodgkins Lymphoma, Colon Carcinoma.

IMAGES



Application Data

Analysis of Protein Array containing more than 19, 000 full-length human proteins using PU.1 Mouse Monoclonal Antibody (PU1/2446). 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

SDS-PAGE Analysis Purified PU.1 Mouse Monoclonal Antibody (PU1/2146).Confirmation of Integrity and Purity of Antibody.



WB (Western Blot)

Western Blot Analysis of THP-1 Cell Lysate using PU.1 Mouse Monoclonal Antibody (PU1/2146).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Spleen stained with PU.1 Mouse Monoclonal Antibody (PU1/2146).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Lymph Node stained with PU.1 Mouse Monoclonal Antibody (PU1/2146).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with PU.1 Mouse Monoclonal Antibody (PU1/2146).

ADDITIONAL INFORMATION

References	Loddenkemper C, et al. J Pathol. 2004; 202:60-9.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124028521
NCBI GeneID	6688
NCBI Accession #	NP_001074016.1
NCBI GenBank Nucleotide #	NM_001080547.1
UniProt Accession #	P17947
Molecular Weight	40kDa
NCBI Official Full Name	transcription factor PU.1 isoform 1
NCBI Official Synonym Full Names	Spi-1 proto-oncogene
NCBI Official Symbol	SPI1
NCBI Official Synonym Symbols	OF; PU.1; SFPI1; SPI-1; SPI-A
NCBI Protein Information	transcription factor PU.1
UniProt Protein Name	Transcription factor PU.1
UniProt Gene Name	SPI1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pu1-spi-1-antibody-clone-pu1-2146-western-blot-immunohistochemistry-elisa/23903>