

Anti-SPI1 Antibody (2J454)

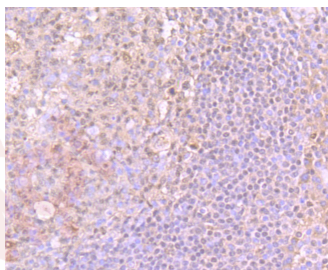
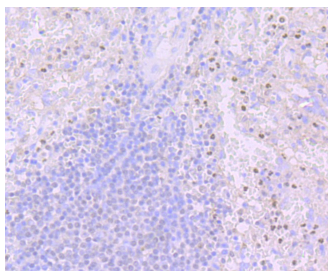
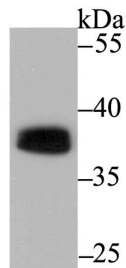
Product Details

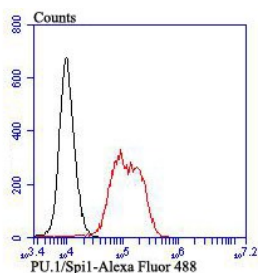
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 31 kDa.
Clone:	2J454
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of PU.1/Spi1 on THP-1 cell using anti-PU.1/Spi1 antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-PU.1/Spi1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-PU.1/Spi1 antibody. Counter stained with hematoxylin.
4. Flow cytometric analysis of K562 cells with PU.1/Spi1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application: FCM,IHC,WB

Recommended WB: 1:500-1000; IHC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P17947

Synonyms: Transcription factor PU.1;SPI1;31 kDa-transforming protein

Research Background

The Ets transcription factor family (Ets-1, Ets-2, Erg-1-3, Elk-1, Elf-1, Elf-5, NERF, PU.1, PEA3, ERM, FEV, ER81, Fli-1, TEL, Spi-B, ESE-1, ESE-3A, Net, ABT1 and ERF) are DNA-binding proteins that influence lymphoid development and activity. The Ets family monomeric proteins bind the consensus DNA site GGA(A/T) through a unique winged helix-turn-helix motif known as the Ets domain. PU.1 (Spi-1/Spi-A), Spi-B and Spi-C are closely related Ets family members which share a conserved divergent sequence within the Ets domain that enables their binding to the non-canonical AGAA sites. PU.1 transactivates a large number of B cell genes, such as those encoding CD72, CD20 and Btk, and Spi-B enhances expression of many of these same target genes. PU.1 is expressed in a wide variety of hematopoietic cells, including B cells, early T-cells, megakaryocytes, granulocytes, mast cells, immature erythrocytes and myeloid cells. Alternatively, Spi-B expression is limited to B cells and immature T cells, where expression accumulates through T-lineage commitment and then is dramatically absent following the beta-selection checkpoint.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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