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PU.1/SPI1 Rabbit mAb

Catalog No.: A24910 Recombinant 1 Publications

Basic Information

Observed MW
38kDa

Calculated MW
31kDa

Category
Primary antibody

Applications
ELISA,WB,IHC-P,IF/ICC,FC (intra)

Cross-Reactivity
Human, Rat

CloneNo number
ARC63111

Background

This gene encodes an ETS-domain transcription factor that activates gene expression during myeloid and B-lymphoid cell development. The nuclear protein binds to a purine-rich sequence known as the PU-box found near the promoters of target genes, and regulates their expression in coordination with other transcription factors and cofactors. The protein can also regulate alternative splicing of target genes. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
FC (intra)	1:100 - 1:500

Immunogen Information

Gene ID
6688

Swiss Prot
P17947

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PU.1/SPI1 (NP_003111.2)

Synonyms
OF; PU.1; AGM10; SFPI1; SPI-1; SPI-A; PU.1/SPI1

Contact

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Product Information

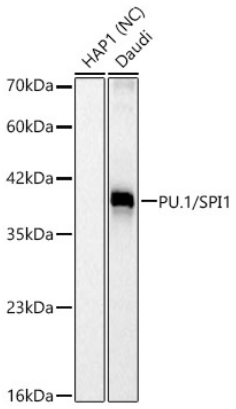
Source
Rabbit

Isotype
IgG

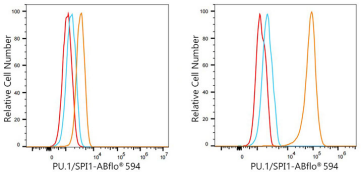
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

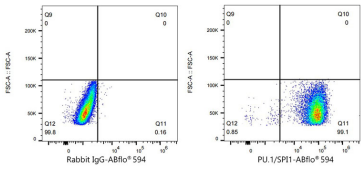
Validation Data



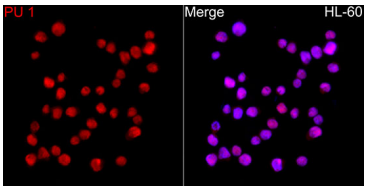
Western blot analysis of various lysates, using PU.1/SPI1 Rabbit mAb (A24910) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC):HAP1
Exposure time: 15s.



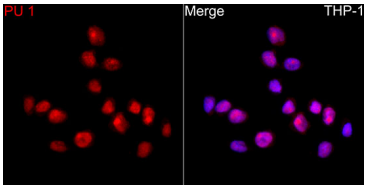
Flow cytometry: 1X10^6 HAP1 cells (negative control,left) and THP-1 cells (right) were intracellularly-stained with PU.1/SPI1 Rabbit mAb (A24910,2 µg/mL,orange line) or ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,blue line), followed by ABflo® 594-conjugated Goat Anti-Rabbit IgG (H+L) staining. Non-fluorescently stained cells were used as blank control (red line).



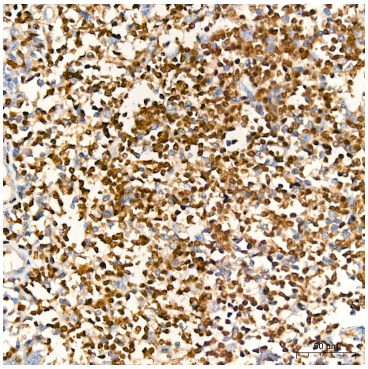
Flow cytometry: 1X10^6 THP-1 cells were intracellularly-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,left) or PU.1/SPI1 Rabbit mAb (A24910,2 µg/mL,right).



Immunofluorescence analysis of HL-60 cells using PU.1/SPI1 Rabbit mAb (A24910) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of THP-1 cells using PU.1/SPI1 Rabbit mAb (A24910) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of PU.1/SPI1 in paraffin-embedded human tonsil tissue using PU.1/SPI1 Rabbit mAb (A24910) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.