10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SPIB Antibody(C-term) Blocking peptide

Synthetic peptide
Catalog # BP19462b

Specification

SPIB Antibody(C-term) Blocking peptide - Product Information

Primary Accession Q01892

SPIB Antibody(C-term) Blocking peptide - Additional Information

Gene ID 6689

Other Names
Transcription factor Spi-B, SPIB

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SPIB Antibody(C-term) Blocking peptide - Protein Information

Name SPIB

Function
Sequence specific transcriptional activator which binds to the PU-box, a purine-rich DNA sequence (5'-GAGGAA-3') that can act as a lymphoid-specific enhancer. Promotes development of plasmacytoid dendritic cells (pDCs), also known as type 2 DC precursors (pre-DC2) or natural interferon (IFN)-producing cells. These cells have the capacity to produce large amounts of interferon and block viral replication. May be required for B-cell receptor (BCR) signaling, which is necessary for normal B-cell development and antigenic stimulation.

Cellular Location
[Isoform 1]: Nucleus

Tissue Location
Expressed in plasmacytoid dendritic cells (pDCs) and B-cells, not expressed in T-cells or granulocytes. May also be enriched in stem cell populations of the liver

SPIB Antibody(C-term) Blocking peptide - Protocols

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SPIB Antibody(C-term) Blocking peptide - Images

SPIB Antibody(C-term) Blocking peptide - Background

SPI1 (MIM 165170) and SPIB are members of a subfamily ofETS (see ETS1; MIM 164720) transcription factors. ETS proteinsshare a conserved ETS domain that mediates specific DNA binding.SPIB and SPI1 bind to a purine-rich sequence, the PU box(5-prime-GAGGAA-3-prime).

SPIB Antibody(C-term) Blocking peptide - References

Liu, X., et al. Nat. Genet. 42(8):658-660(2010)Schmidlin, H., et al. Blood 112(5):1804-1812(2008)Nagasawa, M., et al. Eur. J. Immunol. 38(9):2389-2400(2008)Dontje, W., et al. Blood 107(6):2446-2452(2006)Geng, C.D., et al. J. Biol. Chem. 280(52):43264-43271(2005)