

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Spi-B in direct ELISAs. In direct ELISAs, less than 2% cross-reactivity with recombinant human Spi-B is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Spi-B Tyr18-Glu167 (Tyr110Phe) Accession # O35906
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Intracellular Staining by Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Spi-B (Transcription factor Spi-B) is a 33-45 kDa member of the ets family of transcription factors. It is found in hematopoietic cells such as B cells and plasmacytoid dendritic cells (DC). In transitional B cells, Spi-B promotes their differentiation into follicular (naïve) B cells. In hematopoietic stem cells, Spi-B stimulates the generation of IFN-producing plasmacytoid DC at the expense of T, B and NK cell development. Mouse Spi-B is 267 amino acids (aa) in length. It contains a dual transactivation region (aa 1-62), plus a PEST domain (aa 110-170) and an Ets DNA-binding domain (aa 174-257). There are two isoform variants. One shows a nine aa substitution for aa 1-8, while a second possesses an 18 aa insertion after Leu17. Over aa 18-167, mouse Spi-B shares 91% and 74% aa identity with rat and human Spi-B, respectively.

PRODUCT SPECIFIC NOTICES

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