

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 30-1223: Anti-SIT Monoclonal Antibody (Clone:SIT-01)

Clonality: Monoclonal **Clone Name:** SIT-01 Application: FACS Reactivity: Human Gene: SIT1 Gene ID: 27240 **Uniprot ID:** O9Y3P8 Format: **Purified Alternative Name:** SIT1,SIT Isotype: Mouse IgG1

Immunogen Information: Bacterially produced recombinant intracellular fragment of human SIT.

## **Description**

SIT (SHP2-interacting transmembrane adaptor protein) is expressed exclusively in lymphoid organs and acts either as a positive or as a negative regulatory element in T cell activation and in T cell development. Binding to Grb2 plays a pivotal role in signal transduction. Hubener et al. (2001) determined that the SIT gene contains 5 exons and spans 1.8 kb of genomic DNA. The SIT promoter demonstrated strong transcriptional activity and potential binding sites for both ubiquitous and lymphoid-specific transcription factors.

## **Product Info**

Amount: 0.1 mg

**Purification :** Purified by protein-A affinity chromatography

**Storage condition :** Store at 2-8°C. Do not freeze.

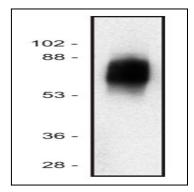


Figure 1:: Western blot of human Jurkat T cell line lysate (1% laurylmaltoside); non-reduced sample, immunostained by mAb SIT-01



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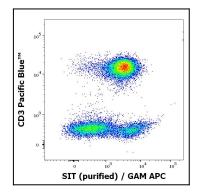


Figure 2: Flow cytometry multicolor intracellular staining of human peripheral whole blood stained using anti-SIT (SIT-01) purified antibody and anti-human CD3 (UCHT1) Pacific Blue $^{\rm m}$  antibody