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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 :	Q9Y3P8
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.

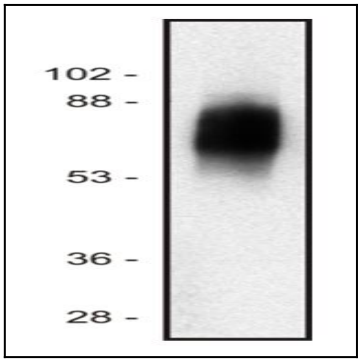

Figure 1:: Western blot of human Jurkat T cell line lysate (1% laurylmaltoside); non-reduced sample, immunostained by mAb SIT-01

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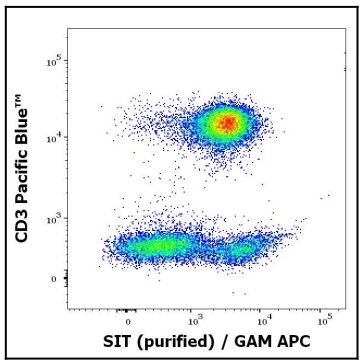

Figure 2: Flow cytometry multicolor intracellular staining of human peripheral whole blood stained using anti-SIT (SIT-01) purified antibody and anti-human CD3 (UCHT1) Pacific Blue™ antibody

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