

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SIT-01
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	SIT1
<b>Gene ID :</b>	27240
<b>Uniprot ID :</b>	Q9Y3P8
<b>Format :</b>	Purified
<b>Alternative Name :</b>	SIT1,SIT
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

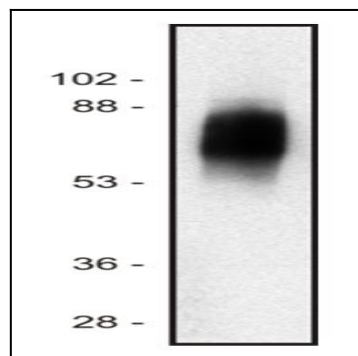


Figure 1:: Western blot of human Jurkat T cell line lysate (1% laurylmaltoside); non-reduced sample, immunostained by mAb SIT-01

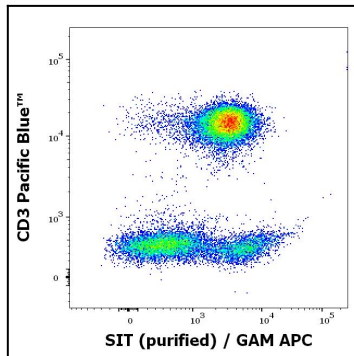


Figure 2: Flow cytometry multicolor intracellular staining of human peripheral whole blood stained using anti-SIT (SIT-01) purified antibody and anti-human CD3 (UCHT1) Pacific Blue™ antibody