

30-1366: Anti-LST1 Monoclonal Antibody (Clone:LST1/02)

Clonality :	Monoclonal
Clone Name :	LST1/02
Application :	IP, WB, ICC
Reactivity :	Human
Gene :	LST1
Gene ID :	7940
Uniprot ID :	O00453
Format :	Purified
Alternative Name :	LST1,B144
Isotype :	Mouse IgG1
Immunogen Information :	KLH-fused peptide corresponding to amino acids SSEGPDLRGRDKRGT of human LST1

Description

LST1 (leukocyte-specific transcript, also known as B144) is expressed in cells of myeloid/erythroid lineage (monocytes, granulocytes, dendritic cells, platelets, erythrocytes). At least 14 alternatively spliced variants (LST1/A - LST1/N) can be detected; some of them (LST1/A, B, C, G, I, K) are transmembrane cell surface-exposed forms, the other are soluble. LST1 induces production of long, thin filopodia in dendritic cells, has an inhibitory effect on lymphocyte proliferation and may have an immunomodulatory role. LST1/A is an 11 kDa transmembrane adaptor present in membrane rafts and forms spontaneously covalent homodimers. Its intracellular domain contains two tyrosine motifs, one of them being an ITIM very similar to such motifs in Siglec.

Product Info

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

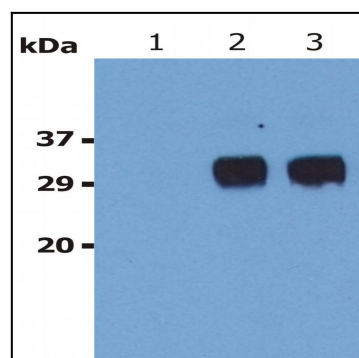


Figure 1: Western Blotting analysis (non-reducing conditions) of LST1 in whole cell lysate of U937 human Caucasian histiocytic lymphoma cell line. Lane 1: immunostaining with Isotype mouse IgG1 control (PPV-06;). Lane 2-3: immunostaining with anti-human LST1 (LST1/02), two independent batches. Note: It migrates on SDS PAGE gels as approximately 25-28 kDa molecule.