

Anti-LST1 Purified Monoclonal Antibody

Catalog Number: M03702

About LST1

LST1 (leukocyte-specific transcript 1, 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.

Overview

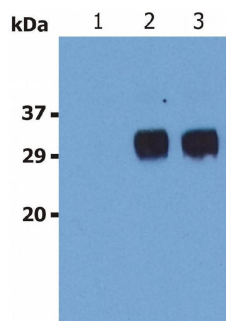
Product Name	Anti-LST1 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-LST1 Purified Monoclonal Antibody (Catalog# M03702). Tested in IP, WB, ICC application(s). This antibody reacts with Human.
Application	IP, ICC, WB
Clonality	Monoclonal LST1/02
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	O00453

Technical Details

Immunogen	KLH-fused peptide corresponding to amino acids SSEGPDLRGRDKRGT of human LST1. The antibody LST1/02 reacts with an extracellular epitope of LST1, an approximately 6-11 kDa protein expressed as various transmembrane or soluble forms. LST1 is found predominantly on monocytes and dendritic cells. It migrates on SDS PAGE gels as approximately 25-28 kDa molecule.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml

Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Immunoprecipitation: Positive control: RAJI human Burkitt lymphoma cell line. Western blotting: The antigen migrates on SDS PAGE gels as approximately 25-28 kDa molecule.

Anti-LST1 Purified Monoclonal Antibody (M03702) Images



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.

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