

Datasheet for ABIN343705

**anti-LST1 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	0.1 mg
Target:	LST1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LST1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Immunogen:	KLH-fused peptide corresponding to amino acids SSEGPDLRGRDKRGT of human LST1
Clone:	LST1-02
Isotype:	IgG1
Specificity:	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.
Cross-Reactivity (Details):	Human, Other not determined
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

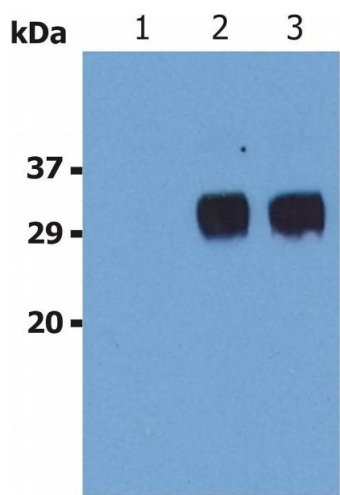
Target:	LST1
Alternative Name:	LST1 ( <a href="#">LST1 Products</a> )
Background:	Leukocyte specific transcript 1,LST1 (leukocyte-specific transcript 1, also known as B144) is expressed in cells of myeloid/erythroid lineage (monocytes, granulocytes, dendritic cells, platelets, erythrocytes). At least 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.,LST-1, B144
Gene ID:	7940
UniProt:	<a href="#">O00453</a>

## Application Details

Application Notes:	Immunoprecipitation: Positive control: RAJI human Burkitt lymphoma cell line. Western blotting: The antigen migrates on SDS PAGE gels as approximately 25-28 kDa molecule.
Restrictions:	For Research Use only

## Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b>
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Western Blotting

**Image 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