

ARG65475 anti-LST1 antibody [LST1/02]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [LST1/02] recognizes LST1
Tested Reactivity	Hu
Tested Application	ICC/IF, IP, WB
Specificity	The clone 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. _x000D_
Host	Mouse
Clonality	Monoclonal
Clone	LST1/02
Isotype	IgG1
Target Name	LST1
Species	Human
Immunogen	KLH-fused peptide corresponding to amino acids SSEGPDLRGRDKRGT of human LST1_x000D_
Conjugation	Un-conjugated
Alternate Names	Protein B144; B144; D6S49E; LST-1; Leukocyte-specific transcript 1 protein

Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	WB: It migrates on SDS-PAGE gels as ~ 25-28 kDa molecule. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	IP: Raji	

Properties

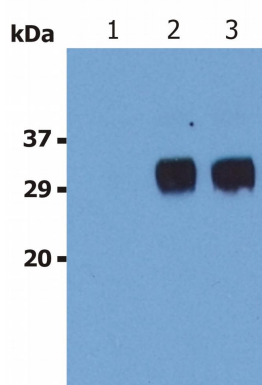
Form	Liquid
Purification	Purified from ascites by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 7940 Human Swiss-port # O00453 Human
Gene Symbol	LST1
Gene Full Name	leukocyte specific transcript 1
Background	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. _x000D_
Function	Possible role in modulating immune responses. Induces morphological changes including production of filopodia and microspikes when overexpressed in a variety of cell types and may be involved in dendritic cell maturation. Isoform 1 and isoform 2 have an inhibitory effect on lymphocyte proliferation. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Immune System antibody; Neuroscience antibody
Calculated Mw	11 kDa

Images



ARG65475 anti-LST1 antibody [LST1/02] WB image

Western blot: U937 cell lysate stained with antibodies.

Lane 1: immunostaining with Isotype mouse IgG1 control; Lane 2-3: immunostaining with ARG65475 anti-LST1 antibody [LST1/02], two independent batches. Note: It migrates on SDS PAGE gels as approximately 25-28 kDa molecule.