

Mouse anti-Human Lymphocyte Specific Protein 1 (LSP1)/pp52 Monoclonal Antibody | anti-LSP1 antibody

Lymphocyte Specific Protein 1 (LSP1)/pp52

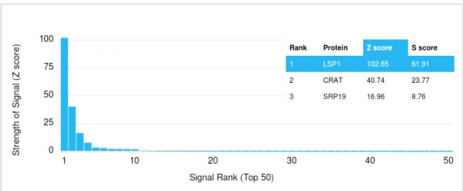
CATALOG # AAA215072	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Lymphocyte Specific Protein 1 (LSP1)/pp52; Monoclonal Antibody; WP34; pp52; lymphocyte specific protein 1; leukocyte specific protein 1; anti-LSP1 antibody

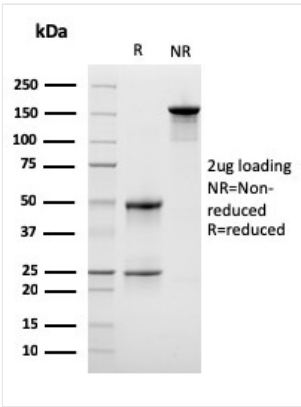
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	LSP1/3042
Specificity	LSP1 is a hematopoietic-expressed gene that encodes an F-actin-binding, leukocyte-specific (including B and T lymphocytes, granulocytes and macrophages), phosphoprotein. However, mRNA splice variants that do not encode the lympho-specific protein are expressed from this gene in nonlymphoid cell lines as well (myocytes, stromal cells and fibroblasts), suggesting pp52 has a divergent role in signal transduction. The pp52 (LSP1) locus maps to human chromosome 11p15.5, which is implicated in tumor-related chromosomal translocations found in chronic lymphocytic leukemia. The pp52 promoter contains key elements that control transcriptional activity including an initiator specifying the unique 5' terminus of pp52 mRNA, tandem pairs of Ets and SP1 motifs, and a single C/EBP motif. LSP1 binds the cytoskeleton and has been implicated in affecting cytoskeletal remodeling in a variety of leukocyte functions, including cell motility and chemotaxis.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	277
Applicable Applications for anti-LSP1 antibody	ELISA
Positive Control	Human tonsil, colon, spleen or Hodgkin's lymphoma (IHC-P).
Immunogen	Recombinant fragment of human LSP1 protein (around aa174-278) (exact sequence is proprietary)
Cellular Localization	Membrane.
Hu-chromosome Location	11p15.5
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using LSP1 Mouse Monoclonal Antibody (LSP1/3042). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE

SDS-PAGE Analysis Purified Monospecific Mouse Monoclonal Antibody to LSP1 (LSP1/3042). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	1. Zhang H., et al. FEBS Open Bio. 2016 Nov 7;6(12):1227-1237. 2. Pulford K., et al. Immunology. 1999 Feb;96(2):262-71.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61742789
NCBI GeneID	4046
NCBI Accession #	NP_001013271.1
NCBI GenBank Nucleotide #	NP_001013271.1
UniProt Accession #	P33241
Molecular Weight	52kDa
NCBI Official Full Name	lymphocyte-specific protein 1 isoform 2
NCBI Official Synonym Full Names	lymphocyte specific protein 1
NCBI Official Symbol	LSP1
NCBI Official Synonym Symbols	WP34; pp52
NCBI Protein Information	lymphocyte-specific protein 1
UniProt Protein Name	Lymphocyte-specific protein 1
UniProt Gene Name	LSP1
UniProt Synonym Gene Names	WP34; pp52
UniProt Entry Name	LSP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.