

Mouse anti-Human LYVE-1 Monoclonal Antibody | anti-LYVE-1 antibody

LYVE-1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47984	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

LYVE-1; Monoclonal Antibody; LYVE-1 antibody; XLkD1 (extracellular link domain containing 1); HAR; CRSBP-1; lymphatic vessel endothelial hyaluronan receptor 1; extracellular link domain containing 1; ; anti-LYVE-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	4G1
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	322
Applicable Applications for anti-LYVE-1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human LYVE-1 (25-235 aa) purified from E. coli
Clone Note	Anti-human LYVE-1 mAb, clone 4G1, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human LYVE-1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of LYVE-1 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human LYVE-1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

A549 (lung carcinoma) cell lysate was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human LYVE-1 antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-LYVE-1 antibody	Lymphatic vascular endothelial hyaluronan receptor-1 (LYVE-1), a selective marker of the lymphatic endothelium, is a surface endocytic receptor for hyaluronan (HA), which is an extracellular glycosaminoglycan involved in cell adhesion and migration. HA is widely expressed on leukocytes, dendritic cells, and tumor cell, and is identified by searching expressed sequence tag (EST) databases for sequences homologous (41%) with the metastasis related CD44 molecules.
Product Categories/Family for anti-LYVE-1 antibody	Angiogenesis
References	Koukourakis MI. et al. (2006) J. Clin. Pathol. 58, 202-206; Chen L. et al. (2005) Invest. Ophthalmol Vis. Sci. 46, 4536-4540; Banerji S. et al. (1999) J. Cell Biol. 144, 789-801

NCBI AND UNIPROT INFORMATION

NCBI GI #	40549451
NCBI GeneID	10894
NCBI Accession #	NP_006682
NCBI GenBank Nucleotide #	NM_006691.3
UniProt Accession #	Q9Y5Y7; Q8TC18; Q9UNF4
Molecular Weight	35,213 Da
NCBI Official Full Name	lymphatic vessel endothelial hyaluronic acid receptor 1
NCBI Official Synonym Full Names	lymphatic vessel endothelial hyaluronan receptor 1
NCBI Official Symbol	LYVE1
NCBI Official Synonym Symbols	HAR; XLKD1; LYVE-1; CRSBP-1
NCBI Protein Information	lymphatic vessel endothelial hyaluronic acid receptor 1
UniProt Protein Name	Lymphatic vessel endothelial hyaluronic acid receptor 1
UniProt Gene Name	LYVE1
UniProt Synonym Gene Names	CRSBP1; HAR; XLKD1; LYVE-1; CRSBP-1

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/lyve-1-antibody-clone-4g1-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/47984>