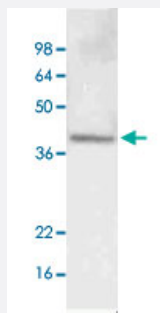


LYVE1 monoclonal antibody, clone 4G1

Catalog # MAB1067

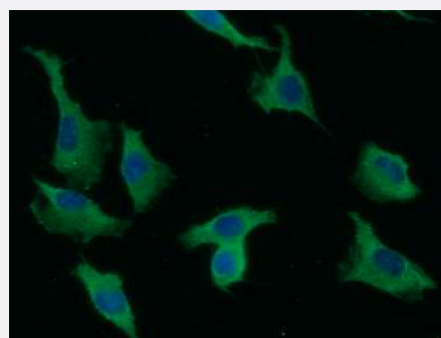
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of A-549 cell lysate.



Immunofluorescence

Immunofluorescence staining of A549 cells line, stained with DAPI (Blue) for nucleus staining and LYVE1 monoclonal antibody , clone 4G1 (1 : 500) (Cat # MAB1067) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant LYVE1.
Immunogen	Recombinant protein corresponding to amino acids 25-235 of human LYVE1.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG2b, kappa

Recommend Usage	ELISA Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of A-549 cell lysate.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence staining of A549 cells line, stained with DAPI (Blue) for nucleus staining and LYVE1 monoclonal antibody , clone 4G1 (1 : 500) (Cat # MAB1067) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — LYVE1

Entrez GeneID	10894
GeneBank Accession#	NM_006691
Protein Accession#	NP_006682
Gene Name	LYVE1
Gene Alias	CRSBP-1, HAR, LYVE-1, XLKD1
Gene Description	lymphatic vessel endothelial hyaluronan receptor 1
Omim ID	605702
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a type I integral membrane glycoprotein. The encoded protein acts as a receptor and binds to both soluble and immobilized hyaluronan. This protein may function in lymphatic hyaluronan transport and have a role in tumor metastasis. [provided by RefSeq]

Other Designations

cell surface retention sequence binding protein-1|extracellular link domain containing 1|extracellular link domain-containing 1|hyaluronic acid receptor

Publication Reference

- [Novel expression and characterization of lymphatic vessel endothelial hyaluronate receptor 1 \(LYVE-1\) by conjunctival cells.](#)

Chen L, Cursiefen C, Barabino S, Zhang Q, Dana MR.

Investigative Ophthalmology & Visual Science 2005 Dec; 46(12):4536.

Application: IF, IHC-Fr, Mouse, Mouse eyes

- [LYVE-1 immunohistochemical assessment of lymphangiogenesis in endometrial and lung cancer.](#)

Koukourakis MI, Giatromanolaki A, Sivridis E, Simopoulos C, Gatter KC, Harris AL, Jackson DG.

Journal of Clinical Pathology 2005 Feb; 58(2):202.

Application: IHC-P, Human, Human endometrial adenocarcinoma

- [LYVE-1, a new homologue of the CD44 glycoprotein, is a lymph-specific receptor for hyaluronan.](#)

Banerji S, Ni J, Wang SX, Clasper S, Su J, Tammi R, Jones M, Jackson DG.

The Journal of Cell Biology 1999 Feb; 144(4):789.

Application: IF, IHC-P, WB-Tr, Monkey, COS-1 cells, HUVECs, Human tissues

Disease

- [Lymphedema](#)