

LYVE1 Rabbit mAb

Catalog No: #49343

Package Size: #49343-1 50ul #49343-2 100ul

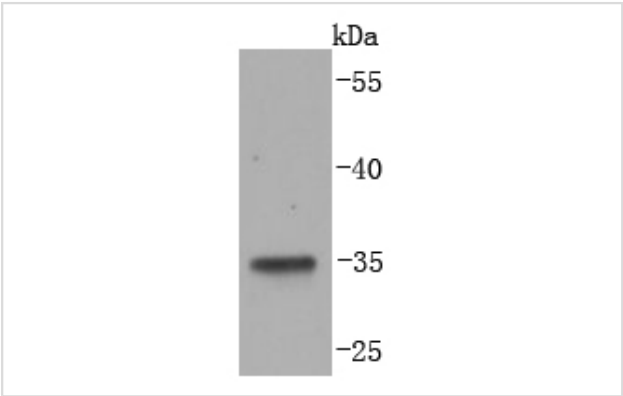
Description

Product Name	LYVE1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JF0979
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Cell surface retention sequence-binding protein 1 antibody CRSBP 1 antibody CRSBP-1 antibody CRSBP1 antibody extracellular link domain containing 1 antibody extracellular link domain-containing 1 antibody Extracellular link domain-containing protein 1 antibody HAR antibody Hyaluronic acid receptor antibody Lymphatic endothelium specific hyaluronan receptor antibody lymphatic vessel endothelial hyaluronan receptor 1 antibody Lymphatic vessel endothelial hyaluronic acid receptor 1 antibody LYVE 1 antibody LYVE-1 antibody LYVE1 antibody LYVE1_HUMAN antibody XLKD1 antibody
Accession No.	Swiss-Prot#:Q9Y5Y7
Calculated MW	35 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

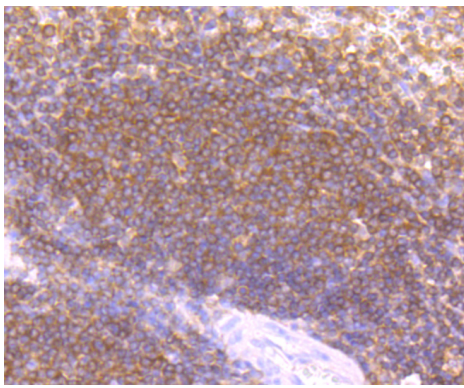
Application Details

WB: 1:1,000IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

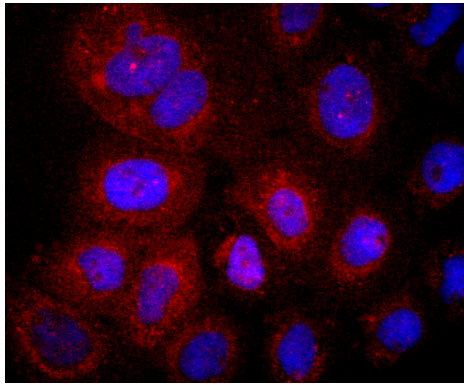
Images



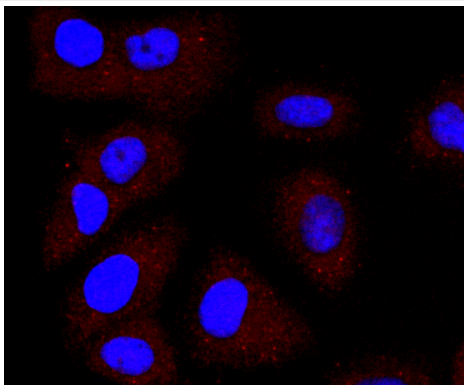
Western blot analysis of LYVE1 on MCF-7 lysates using anti-LYVE1 antibody at 1/1,000 dilution.



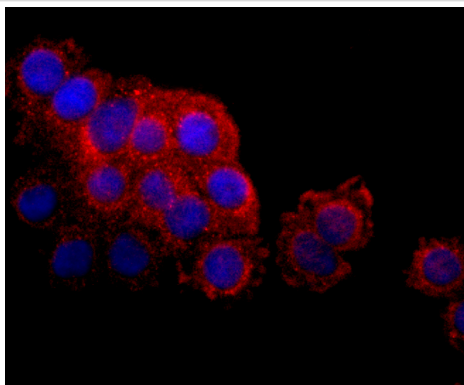
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-LYVE1 antibody. Counter stained with hematoxylin.



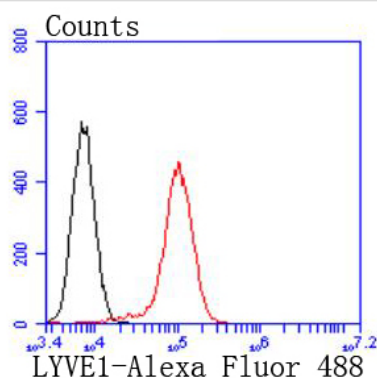
ICC staining LYVE1 in A431 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining LYVE1 in HUVEC cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining LYVE1 in SW480 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HUVEC cells with LYVE1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Background

Lymphatic vessel endothelial hyaluronan receptor-1 (LYVE-1) is expressed on the cell surface as a protein that is reduced by glycosidase treatment. LYVE-1 is abundant in spleen, lymph node, heart, lung and fetal liver, and is less abundant in appendix, bone marrow, placenta, muscle and adult liver. Expression of LYVE-1 is largely restricted to endothelial cells lining lymphatic vessels and splenic sinusoidal endothelial cells. LYVE-1 binds to both soluble and immobilized hyaluronan (HA) with greater specificity than HCAM. Like HCAM, the LYVE-1 molecule binds both soluble and immobilized HA. However, unlike HCAM, the LYVE-1 molecule co-localizes with HA on the luminal face of the lymph vessel wall and is completely absent from blood vessels. Hence, LYVE-1 is the first lymph-specific HA receptor to be characterized and is a uniquely powerful marker for lymph vessels themselves. LYVE-1 is used as a marker to study tumor lymphangiogenesis, which is an important area of investigation.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.