

## LYVE1 Conjugated Antibody

Catalog No: #C49343

Package Size: #C49343-AF350 100ul #C49343-AF405 100ul #C49343-AF488 100ul

#C49343-AF555 100ul #C49343-AF594 100ul #C49343-AF647 100ul

#C49343-AF680 100ul #C49343-AF750 100ul #C49343-Biotin 100ul

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## Description

Product Name	LYVE1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	JF0979
Purification	ProA affinity purified
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
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
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
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

## 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

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Note: This product is for in vitro research use only