

Product Datasheet

LYVE-1 Antibody NB100-725SS

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Reviews: 2 Publications: 1

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Updated 6/15/2014 v.20.1

NB100-725SS

LYVE-1 Antibody

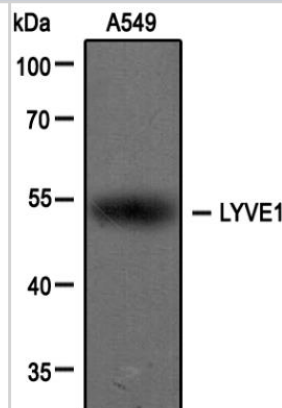
Product Information	
Unit Size	0.025 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	Tris-glycine, 150 mM NaCl
Target Molecular Weight	45 kDa

Product Description	
Host	Rabbit
Gene ID	10894
Gene Symbol	LYVE1
Species	Human, Mouse, Rat
Species Reactivity	Human, mouse and rat.
Marker	Lymphatic Vessel Marker
Immunogen	A synthetic peptide made to a C-terminal portion of the mouse LYVE1 protein sequence (between residues 250-318). [UniProt# Q8BHC0]

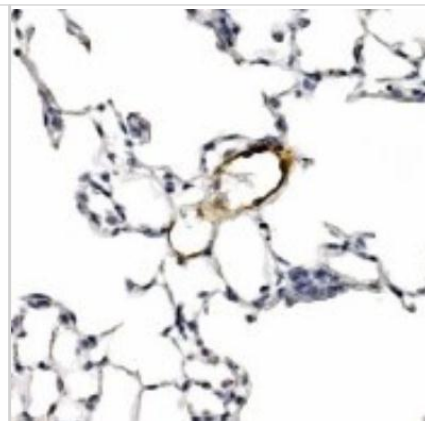
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 1:50-1:500, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry 1:100-1:200, Immunohistochemistry-Frozen 1:100-1:200, Immunohistochemistry-Paraffin 1:100-1:200, Western Blot 1:500-1:2000
Application Notes	This LYVE1 antibody is useful for Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin and Western Blot where a band at ~45 kDa is seen. For Immunohistochemistry citrate buffer antigen retrieval is recommended.

Images

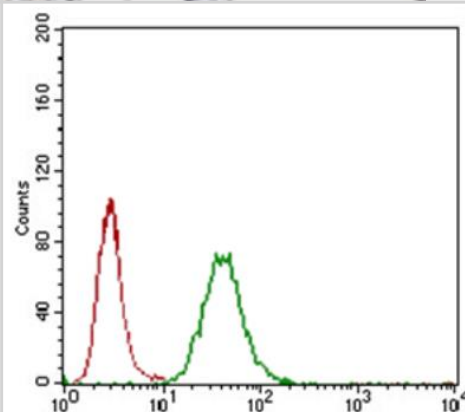
Western Blot: LYVE1 Antibody [NB100-725] - Western blot analysis of extracts from A549 cells using LYVE1 antibody (NB100-725, 1:100). Image from verified customer review.



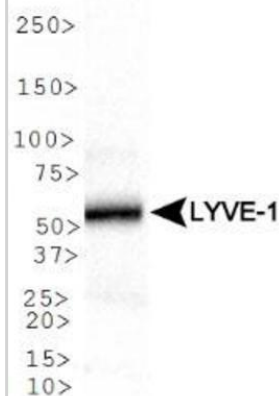
Immunohistochemistry: LYVE1 Antibody [NB100-725] - Detection of LYVE1 in endothelial cells of human lung blood vessels using NB100-725.



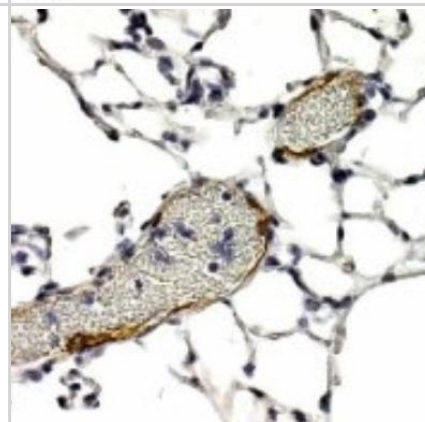
Flow Cytometry: LYVE1 Antibody [NB100-725] - LYVE1 antibody was tested at 1:400 in A549 cells using an Alexa Fluor 488 secondary (shown in green) alongside unstained cells (shown in red).



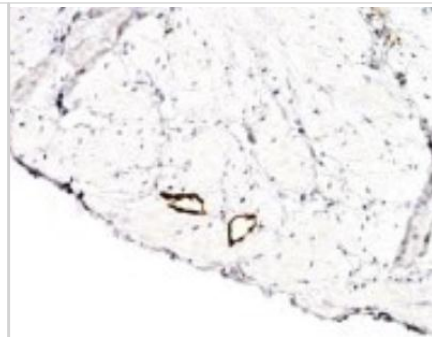
Western Blot: LYVE1 Antibody [NB100-725] - Analysis of LYVE1 in human lymph node lysate.



Immunohistochemistry: LYVE1 Antibody [NB100-725] - Detection of LYVE1 in endothelial cells of human lung blood vessels using NB100-725. Note presence of RBCs within vessel lumen.



Immunohistochemistry: LYVE1 Antibody [NB100-725] - Detection of LYVE1 in endothelial cells of human bladder vasculature using NB100-725.



Publications

Bumb A, Regino CA, Egen JG et al. Trafficking of a dual-modality magnetic resonance and fluorescence imaging superparamagnetic iron oxide-based nanoprobe to lymph nodes Mol Imaging Biol 2011 Dec [PMID: 21080233] (IHC-Fr, ICC/IF, Mouse)



Procedures

Western Blot Protocol for LYVE1 Antibody (NB100-725)

Western Blot Protocol

1. Perform SDS-PAGE (4-12%) on samples to be analyzed, loading 50 ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Stain the blot using ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% non-fat dry milk + 0.5% BSA in TBS for 1 hour.
6. Dilute the rabbit anti-LYVE-1 primary antibody (NB 100-725) in blocking buffer and incubate 2 hours at room temperature.
7. Wash the membrane in water for 5 minutes and apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) and incubate 1 hour at room temperature.
8. Wash the blot in TBS containing 0.05-0.1% Tween-20 for 10-20 minutes.
9. Wash the blot in type I water for an additional 10-20 minutes (this step can be repeated as required to reduce background).
10. Apply the detection reagent of choice in accordance with the manufacturer's instructions (Amersham's ECL is the standard reagent used at Novus Biologicals).

Note: Tween-20 can be added to the blocking buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

