

Datasheet: MCA4629GA

Description:	MOUSE ANTI HUMAN LYVE-1
Specificity:	LYVE-1
Other names:	HYALURONIC ACID RECEPTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	4G1
Isotype:	IgG2b
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			1/500 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide 10% Glycerol
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations

Immunogen Recombinant human LYVE-1 (amino acids 25-235) purified from *Escherichia coli*.

External Database Links

UniProt:

[Q9Y5Y7](#) [Related reagents](#)

Entrez Gene:

[10894](#) LYVE1 [Related reagents](#)

Synonyms CRSBP1, HAR, XLKD1

RRID AB_2138660

Fusion Partners Spleen cells from immunised Balb/c mice were fused with cells of the mouse Sp2/0 myeloma cell line.

Specificity **Mouse anti human LYVE-1, clone 4G1** recognizes human LYVE-1, otherwise known as hyaluronic acid receptor, a type I integral membrane glycoprotein and member of the Link protein superfamily, expressed on the cell surface of both normal and neoplastic lymphatic endothelial cells. LYVE-1 acts a major receptor for the glycosaminoglycan hyaluronan (HA) in both its soluble and immobilized forms.

The binding of LYVE-1 to HA on lymph vessel walls and not to the endothelium of blood vessels, makes LYVE-1 a powerful marker for the identification of lymphatic endothelial cells, and for distinguishing between lymphatic vessels and blood vasculature ([Koukourakis et al. 2005](#)).

Western Blotting MCA4629GA detects a band of approximately 38 kDa in human A549 (lung carcinoma) cell lysates.

Further Reading 1. Banerji, S. *et al.* (1999) LYVE-1, a new homologue of the CD44 glycoprotein, is a lymph-specific receptor for hyaluronan. [J Cell Biol. 144 \(4\): 789-801.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10049 available at: 10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M405942:220916'

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