

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
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant human LYVE-1 (amino acids 25-235) purified from <i>Escherichia coli</i> .
External Database Links	UniProt:

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

Entrez Gene:

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

Synonyms	CRSBP1, HAR, XLKD1
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 recognises 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, which 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 <i>et al.</i> 2005).
Western Blotting	MCA4629GA detects a band of approximately 38 kDa in human A549 (lung carcinoma) cell lysates.
Further Reading	1. Banerji, S. <i>et al.</i> (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	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10303 available at: 10303: https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800

Goat Anti Mouse IgG (STAR70...) [FITC](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Human Anti Mouse IgG2b (HCA038...) [FITC](#), [HRP](#)

Recommended Negative Controls

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

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