Datasheet for ABIN6253331

LYVE1 Protein (AA 24-228) (Fc Tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	LYVE1
Protein Characteristics:	AA 24-228
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LYVE1 protein is labelled with Fc Tag.

Product Details

Purpose:	LYVE-1 (mouse):Fc (mouse) (rec.)
Specificity:	The extracellular domain of mouse LYVE-1 (aa 24-228) is fused to the N-terminus of the Fc region of mouse IgG2a.
Characteristics:	Protein. The extracellular domain of mouse LYVE-1 (aa 24-228) is fused to the N-terminus of the Fc region of mouse IgG2a. Source: HEK 293 cells. Endotoxin content: <5EU/mg protein (LAL test, Lonza). Lyophilized from 0.2µm-filtered solution in PBS. Purity: >98 % (SDS-PAGE). Lymphatic Vessel Endothelial Hyaluronan (HA) Receptor-1 (LYVE-1) is a 60- kDa type I transmembrane glycoprotein that is a member of the Link Protein superfamily. HA is found in the extracellular matrix of most animal tissues and in body fluids. It modulates cell behavior and functions during tissue remodeling, development, homeostasis, and disease. It is often used as a marker of lymphatic endothelia. LYVE-1 is expressed on both the lumenal and ablumenal surfaces of lymphatic endothelium, and also on hepatic blood sinusoidal endothelia. This expression pattern, combined with studies showing that LYVE-1 can support cellular HA

Product Details

	internalization in vitro, may suggest LYVE-1 participation in HA internalization for degradation, or transport of HA from tissues into the lumen of lymphatic vessels. LYVE-1-directed HA localization to lymphatic surfaces might also affect aspects of the immune response or tumor metastases. HA binding to CD44 can still occur in the presence of LYVE-1 in vitro. Therefore, LYVE-1-directed HA localization to lymphatics could provide a substrate for transmigrating CD44+ leukocytes or tumor cells. In addition to hepatic and lymphatic endothelia, some expression of LYVE-1 has been reported on Kupffer cells, the islets of Langerhans, cortical neurons, and renal epithelium.
Purity:	>98 % (SDS-PAGE)
Endotoxin Level:	<5EU/mg protein (LAL test, Lonza).

Target Details

Target:	LYVE1
Alternative Name:	LYVE-1 (LYVE1 Products)
Background:	Alternate Names/Synonyms: Lymphatic Vessel Endothelial Hyaluronan (HA) Receptor-1 Product Description: Lymphatic Vessel Endothelial Hyaluronan (HA) Receptor-1 (LYVE-1) is a 60- kDa type I transmembrane glycoprotein that is a member of the Link Protein superfamily. HA is found in the extracellular matrix of most animal tissues and in body fluids. It modulates cell behavior and functions during tissue remodeling, development, homeostasis, and disease. It is often used as a marker of lymphatic endothelia. LYVE-1 is expressed on both the lumenal and ablumenal surfaces of lymphatic endothelium, and also on hepatic blood sinusoidal endothelia. This expression pattern, combined with studies showing that LYVE-1 can support cellular HA internalization in vitro, may suggest LYVE-1 participation in HA internalization for degradation, or transport of HA from tissues into the lumen of lymphatic vessels. LYVE-1-directed HA localization to lymphatic surfaces might also affect aspects of the immune response or tumor metastases. HA binding to CD44 can still occur in the presence of LYVE-1 in vitro. Therefore, LYVE-1-directed HA localization to lymphatics could provide a substrate for transmigrating CD44+ leukocytes or tumor cells. In addition to hepatic and lymphatic endothelia, some expression of LYVE-1 has been reported on Kupffer cells, the islets of Langerhans, cortical neurons, and renal epithelium.
Molecular Weight:	~70kDa (SDS-PAGE)
NCBI Accession:	NP_444477
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized from 0.2µm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

