

Human CellExp™ LYVE-1, mouse recombinant

CATALOG NO:	P1017-10 P1017-25	10 µg 25 µg
ALTERNATE NAMES:	Lymphatic Vessel Endothelial Hyaluronan (HA) Receptor-1, Xlkd1, Lyve-1, Crsbp-1	
SOURCE:	HEK 293 cells (aa 24-228)	
PURITY:	≥ 98% by SDS – PAGE	
MOL. WEIGHT:	The protein has a calculated MW of 70 kDa. The extracellular domain of mouse LYVE-1 (aa 24-228) is fused to the N-terminus of the Fc region of mouse IgG2a.	
ENDOTOXIN LEVEL:	< 5 EU per 1mg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.2µm-filtered solution in PBS.	
STORAGE CONDITIONS:	Store at +4°C for short term (1-2 weeks). For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Reconstitute with 1X PBS to the desired protein concentration	
DESCRIPTION:	<p>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 luminal and abluminal 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.</p>	

RELATED PRODUCT:

- Human CellExp™ ICOSLG/B7-H2/CD275, human recombinant (**Cat. No. 7426-20**)
- Human Cellexp Human Recombinant IL-2 (**Cat. No. 6461-10, -50**)
- IL-2 Receptor α, Human Recombinant (**Cat. No. 7100-10, -50**)
- Human CellExp™ CD223, human recombinant (**Cat. No. 7278-10, -50**)
- Human CellExp™ CD71, human recombinant (**Cat. No. 7279-10, -50**)
- Human CellExp™ CD273, human recombinant (**Cat. No. 7369-10, -50**)
- Human CellExp™ CD33, human recombinant (**Cat. No. 7370-10, -50**)
- Human CellExp™ CD36, human recombinant (**Cat. No. 7371-10, -50**)
- Human CellExp™ CD87, human recombinant (**Cat. No. 7372-20, -100**)
- Human CellExp™ CD360, human recombinant (**Cat. No. 7373-20, -100**)
- Human CellExp™ CD244, human recombinant (**Cat. No. 7374-10, -50**)
- Human CellExp™ CD304, human recombinant (**Cat. No. 7375-10**)
- Human CellExp™ CD319, human recombinant (**Cat. No. 7376-10, -50**)
- Human CellExp™ CD306, human recombinant (**Cat. No. 7377-10, -50**)
- Human CellExp™ CD84, human recombinant (**Cat. No. 7378-10, -50**)

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