
Recombinant Mouse LYVE1 / LYVE-1 Protein (Fc tag)**Cat.NO.: TP06424**

3th Edition

Synonyms:1200012G08Rik;Crsbp-1;Lyve-1;Xlkd1

Description:LYVE1, also known as LYVE-1, is a type I integral membrane glycoprotein. It contains 1 Link domain and mainly expressed in endothelial cells lining lymphatic vessels. LYVE1 acts as a receptor and binds to both soluble and immobilized hyaluronan. It may function in lymphatic hyaluronan transport and have a role in tumor metastasis. LYVE1 also is a cell surface receptor on lymphatic endothelial cells that can be used as a lymphatic endothelial cell marker, and sort these cells for experimental purposes. It also functions as a ligand-specific transporter trafficking between intracellular organelles and the plasma membrane. It plays a role in autocrine regulation of cell growth mediated by growth regulators containing cell surface retention sequence binding. It may act as an hyaluronan transporter, either mediating its uptake for catabolism within lymphatic endothelial cells themselves, or its transport into the lumen of afferent lymphatic vessels for subsequent re-uptake and degradation in lymph nodes.

Form:PBS**Molecular Weight:**49.1 kDa**Sequences:**Met1-Gly228**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.