

## Anti-mouse LYVE-1 Antibody

### Overview

Catalog #	11-034
Unit Size	100 ug
Applications	W, IHC (F/P), IF
Host	rabbit

### Description:

LYVE-1 has been identified as a major receptor for HA (extracellular matrix glycosaminoglycan hyaluronan) on the lymph vessel wall. The deduced amino acid sequence of LYVE-1 predicts a 322-residue type I integral membrane polypeptide 41% similar to the CD44 HA receptor with a 212-residue extracellular domain containing a single Link module the prototypic HA binding domain of the Link protein superfamily. LYVE-1 is the first lymph-specific HA receptor to be characterized. Later, LYVE-1 was reported to express in liver sinusoid blood vessels. However, in most tissues, LYVE-1 is a specific marker for lymph vessels. This antibody was raised against the extracellular domain of mouse LYVE-1 molecule in rabbit. **It works well for both frozen and paraffin sections.**

**Host Species:** Rabbit

**Buffer:** PBS

**Formulation:** Protein A purified rabbit IgG

**Stability:** The antibody is stable for at least six weeks at 2-4°C. It should be kept at -20°C for long-term storage. **Avoid repeated freeze-thaw cycles.**

**Cross-Reactivity:** The antibody has not been showed to cross-react with LYVE-1 from other species.

**Specificity:** The antibody will detect mouse LYVE-1 on the surface of lymphatic endothelial cells by immunohistochemistry (frozen and paraffin sections). The antibody detects a 70 KD LYVE-1 band in Western blotting.

**Immunohistochemistry:** Use at 5-10 µg/ml. A boiling/microwave step is recommended when staining paraffin embedded sections.

**Western blotting:** Use at a concentration of 1-2 µg/ml with the appropriate secondary reagents.

*Optimal dilutions should be determined by each laboratory for each application.*

**Usage:** This antibody is offered for research use only. **Not for human use!**