

LYVE1 Lymphatic Vessel Endothelial Hyaluronic Acid Receptor 1 Human Recombinant Protein

Catalog Number: PROTQ9Y5Y7-1

Introduction

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. Like CD44, the LYVE-1 molecule binds both soluble and immobilized HA. However, unlike CD44, the LYVE-1 molecule colocalizes with HA on the luminal face of the lymph vessel wall and is completely absent from blood vessels. Hence, LYVE-1 is the first lymph-specific HA receptor to be characterized and is a uniquely powerful marker for lymph vessels themselves.

Overview

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|--------------|---|
| Product Name | LYVE1 Lymphatic Vessel Endothelial Hyaluronic Acid Receptor 1 Human Recombinant Protein |
| Description | Soluble LYVE1 Human Recombinant fused to a GST-tag produced in E.Coli is a single, non-glycosylated, polypeptide containing 243-323 amino acids and having a total molecular mass of 36 kDa. The LYVE-1 is purified by proprietary chromatographic techniques. |
| Size | 2ug, 5ug, 10ug |
| Tag | |
| Form | Sterile Filtered colorless solution. |
| Source | E. Coli |
| Formulation | |

Concentration

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Purity

Greater than 90.0% as determined by (a)Analysis by RP-HPLC.
(b)Analysis by SDS-PAGE.

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Usage

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