Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 12, 2025

B6;129P2-Lyve1$^{tm1.1(EGFP/cre)Cys}$/J

RRID:IMSR_JAX:012601
Type: Organism

Proper Citation

RRID:IMSR_JAX:012601

Organism Information

URL: https://www.jax.org/strain/012601

Proper Citation: RRID:IMSR_JAX:012601

Description: Mus musculus with name B6;129P2-Lyve1$^{tm1.1(EGFP/cre)Cys}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |lymphatic vessel endothelial hyaluronan receptor 1; mutant stock: |Lyve1

Affected Gene: |lymphatic vessel endothelial hyaluronan receptor 1

Genomic Alteration: targeted mutation 1; Jason G Cyster

Catalog Number: JAX:012601

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:12601

Organism Name: B6;129P2-Lyve1$^{tm1.1(EGFP/cre)Cys}$/J

Record Creation Time: 20230509T193304+0000

Record Last Update: 20240104T174945+0000

Ratings and Alerts

No rating or validation information has been found for B6;129P2-Lyve1$^{tm1.1(EGFP/cre)Cys}$/J.

No alerts have been found for B6;129P2-Lyve1$^{tm1.1(EGFP/cre)Cys}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Munks MW, et al. (2023) Latent CMV infection of Lymphatic endothelial cells is sufficient to drive CD8 T cell memory inflation. PLoS pathogens, 19(1), e1010351.

Biswas L, et al. (2023) Lymphatic vessels in bone support regeneration after injury. Cell, 186(2), 382.

Hu S, et al. (2022) Single-cell spatial transcriptomics reveals a dynamic control of metabolic zonation and liver regeneration by endothelial cell Wnt2 and Wnt9b. Cell reports. Medicine, 3(10), 100754.

Hayakawa M, et al. (2021) Characterization and visualization of murine coagulation factor VIII-producing cells in vivo. Scientific reports, 11(1), 14824.

Okuniewska M, et al. (2021) SPNS2 enables T cell egress from lymph nodes during an immune response. Cell reports, 36(2), 109368.

Ma R, et al. (2020) Metabolic and non-metabolic liver zonation is established non-synchronously and requires sinusoidal Wnts. eLife, 9.

Engelbrecht E, et al. (2020) Sphingosine 1-phosphate-regulated transcriptomes in heterogenous arterial and lymphatic endothelium of the aorta. eLife, 9.

Simmons S, et al. (2019) High-endothelial cell-derived S1P regulates dendritic cell localization and vascular integrity in the lymph node. eLife, 8.

Norwood JN, et al. (2019) Anatomical basis and physiological role of cerebrospinal fluid transport through the murine cribriform plate. eLife, 8.

Lim HY, et al. (2018) Hyaluronan Receptor LYVE-1-Expressing Macrophages Maintain

Arterial Tone through Hyaluronan-Mediated Regulation of Smooth Muscle Cell Collagen. Immunity, 49(2), 326.

Cha B, et al. (2018) Complementary Wnt Sources Regulate Lymphatic Vascular Development via PROX1-Dependent Wnt/?-Catenin Signaling. Cell reports, 25(3), 571.

Onder L, et al. (2017) Lymphatic Endothelial Cells Control Initiation of Lymph Node Organogenesis. Immunity, 47(1), 80.

Takeda A, et al. (2016) Thymocytes in Lyve1-CRE/S1pr1f/f Mice Accumulate in the Thymus due to Cell-Intrinsic Loss of Sphingosine-1-Phosphate Receptor Expression. Frontiers in immunology, 7, 489.

Kizhatil K, et al. (2014) Schlemm's canal is a unique vessel with a combination of blood vascular and lymphatic phenotypes that forms by a novel developmental process. PLoS biology, 12(7), e1001912.