

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

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: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

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

Record Creation Time: 20250513T053721+0000

Record Last Update: 20260725T044430+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: JAX Mice and Services

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Gadek KE, et al. (2025) Transdifferentiation of endothelial progenitor cells into rhabdomyosarcoma defined by hedgehog signaling competence. *Cell reports*, 44(10), 116339.

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.

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.

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

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