

Resource Summary Report

Generated by PRECISE-TBI on Jul 28, 2026

B6.129S7-Itgal^{tm1Bl}/J

RRID:IMSR_JAX:005257

Type: Organism

Proper Citation

RRID:IMSR_JAX:005257

Organism Information

URL: <https://www.jax.org/strain/005257>

Proper Citation: RRID:IMSR_JAX:005257

Description: Mus musculus with name B6.129S7-Itgal^{tm1Bl}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: integrin alpha L; mutant strain|congenic strain: Itgal

Affected Gene: integrin alpha L

Genomic Alteration: targeted mutation 1; Christie M Ballantyne

Catalog Number: JAX:005257

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.129S7-Itgal^{tm1Bl}/J

Record Creation Time: 20250513T053649+0000

Record Last Update: 20260725T044359+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S7-Itgal^{tm1Bl}/J.

No alerts have been found for B6.129S7-Itgal^{tm1Bl}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Thierry GR, et al. (2024) Non-classical monocytes scavenge the growth factor CSF1 from endothelial cells in the peripheral vascular tree to ensure survival and homeostasis. *Immunity*, 57(9), 2108.

Li R, et al. (2024) Suppression of adaptive NK cell expansion by macrophage-mediated phagocytosis inhibited by 2B4-CD48. *Cell reports*, 43(3), 113800.

Montgomery AB, et al. (2023) Tissue-resident, extravascular Ly6c⁻ monocytes are critical for inflammation in the synovium. *Cell reports*, 42(5), 112513.

Engels R, et al. (2022) LFA1 and ICAM1 are critical for fusion and spread of murine leukemia virus in vivo. *Cell reports*, 38(3), 110279.

Lötscher J, et al. (2022) Magnesium sensing via LFA-1 regulates CD8⁺ T cell effector function. *Cell*, 185(4), 585.

Lefebvre MN, et al. (2021) Expedition recruitment of circulating memory CD8 T cells to the liver facilitates control of malaria. *Cell reports*, 37(5), 109956.

Hurrell BP, et al. (2020) Distinct Roles of LFA-1 and ICAM-1 on ILC2s Control Lung Infiltration, Effector Functions, and Development of Airway Hyperreactivity. *Frontiers in immunology*, 11, 542818.

Neupane AS, et al. (2020) Patrolling Alveolar Macrophages Conceal Bacteria from the Immune System to Maintain Homeostasis. *Cell*, 183(1), 110.

Zhang Z, et al. (2015) DNAM-1 controls NK cell activation via an ITT-like motif. *The Journal of experimental medicine*, 212(12), 2165.

Keum S, et al. (2013) Natural genetic variation of integrin alpha L (Itgal) modulates ischemic brain injury in stroke. *PLoS genetics*, 9(10), e1003807.