

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

B6.FVB-Tg(ITGAM-HBEGF/EGFP)34Lan/J

RRID:IMSR_JAX:006000

Type: Organism

Proper Citation

RRID:IMSR_JAX:006000

Organism Information

URL: <https://www.jax.org/strain/006000>

Proper Citation: RRID:IMSR_JAX:006000

Description: Mus musculus with name B6.FVB-Tg(ITGAM-HBEGF/EGFP)34Lan/J from IMSR.

Species: Mus musculus

Synonyms: B6.FVB-Tg(ITGAM-DTR/EGFP)34Lan/J

Notes: gene symbol note: Simian Diphtheria Toxin Receptor|integrin subunit alpha M||transgene insertion 34; Richard A Lang; mutant strain|congenic strain: DTR|ITGAM||Tg(ITGAM-HBEGF/EGFP)34Lan

Affected Gene: Simian Diphtheria Toxin Receptor|integrin subunit alpha M||transgene insertion 34; Richard A Lang

Genomic Alteration: transgene insertion 34; Richard A Lang

Catalog Number: JAX:006000

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.FVB-Tg(ITGAM-HBEGF/EGFP)34Lan/J

Record Creation Time: 20250513T053653+0000

Record Last Update: 20260725T044404+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB-Tg(ITGAM-HBEGF/EGFP)34Lan/J.

No alerts have been found for B6.FVB-Tg(ITGAM-HBEGF/EGFP)34Lan/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Whyte D, et al. (2025) Uridine phosphorylase-1 supports metastasis by altering immune and extracellular matrix landscapes. EMBO reports, 26(17), 4248.

Blidner AG, et al. (2025) Glycosylation-driven programs coordinate immunoregulatory and pro-angiogenic functions of myeloid-derived suppressor cells. Immunity, 58(6), 1553.

Anderton H, et al. (2022) Langerhans cells are an essential cellular intermediary in chronic dermatitis. Cell reports, 39(10), 110922.

Bi Q, et al. (2022) Microglia-derived PDGFB promotes neuronal potassium currents to suppress basal sympathetic tonicity and limit hypertension. Immunity, 55(8), 1466.

Plenter RJ, et al. (2020) C-kit-derived CD11b+ cells are critical for cardiac allograft prolongation by autologous C-kit+ progenitor cells. Cellular immunology, 347, 104023.

Wan Y, et al. (2020) Microglial Displacement of GABAergic Synapses Is a Protective Event during Complex Febrile Seizures. Cell reports, 33(5), 108346.

Madaro L, et al. (2019) Macrophages fine tune satellite cell fate in dystrophic skeletal muscle of mdx mice. PLoS genetics, 15(10), e1008408.

Ru W, et al. (2019) Microglia Mediate HIV-1 gp120-Induced Synaptic Degeneration in Spinal Pain Neural Circuits. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(42), 8408.

Halbrook CJ, et al. (2019) Macrophage-Released Pyrimidines Inhibit Gemcitabine Therapy in Pancreatic Cancer. Cell metabolism, 29(6), 1390.

Zhang Y, et al. (2017) Myeloid cells are required for PD-1/PD-L1 checkpoint activation and the establishment of an immunosuppressive environment in pancreatic cancer. Gut, 66(1), 124.

Zhang Y, et al. (2017) Epithelial-Myeloid cell crosstalk regulates acinar cell plasticity and pancreatic remodeling in mice. *eLife*, 6.

Hulsmans M, et al. (2017) Macrophages Facilitate Electrical Conduction in the Heart. *Cell*, 169(3), 510.

Stifano G, et al. (2014) Chronic Toll-like receptor 4 stimulation in skin induces inflammation, macrophage activation, transforming growth factor beta signature gene expression, and fibrosis. *Arthritis research & therapy*, 16(4), R136.

Klueh U, et al. (2014) Impact of macrophage deficiency and depletion on continuous glucose monitoring in vivo. *Biomaterials*, 35(6), 1789.

Liu J, et al. (2011) Tumor-associated macrophages recruit CCR6+ regulatory T cells and promote the development of colorectal cancer via enhancing CCL20 production in mice. *PloS one*, 6(4), e19495.