

Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 2026

B6.129S2(C)-Itgae^{tm1Cmp/J}

RRID:IMSR_JAX:006144

Type: Organism

Proper Citation

RRID:IMSR_JAX:006144

Organism Information

URL: <https://www.jax.org/strain/006144>

Proper Citation: RRID:IMSR_JAX:006144

Description: Mus musculus with name B6.129S2(C)-Itgae^{tm1Cmp/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: integrin alpha E; epithelial-associated; mutant strain|congenic strain: Itgae

Affected Gene: integrin alpha E; epithelial-associated

Genomic Alteration: targeted mutation 1; Christina M Parker

Catalog Number: JAX:006144

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S2(C)-Itgae^{tm1Cmp/J}

Record Creation Time: 20250513T053655+0000

Record Last Update: 20260808T050858+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2(C)-Itgae^{tm1Cmp/J}.

No alerts have been found for B6.129S2(C)-Itgae^{tm1Cmp/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Das S, et al. (2021) Lung Epithelial Signaling Mediates Early Vaccine-Induced CD4+ T Cell Activation and Mycobacterium tuberculosis Control. mBio, 12(4), e0146821.

Brassard J, et al. (2021) Exposure to the Gram-Negative Bacteria Pseudomonas aeruginosa Influences the Lung Dendritic Cell Population Signature by Interfering With CD103 Expression. Frontiers in cellular and infection microbiology, 11, 617481.

Reilly EC, et al. (2020) TRM integrins CD103 and CD49a differentially support adherence and motility after resolution of influenza virus infection. Proceedings of the National Academy of Sciences of the United States of America, 117(22), 12306.

Thompson EA, et al. (2019) Interstitial Migration of CD8⁺ T Cells in the Small Intestine Is Dynamic and Is Dictated by Environmental Cues. Cell reports, 26(11), 2859.

Veglia F, et al. (2017) Lipid bodies containing oxidatively truncated lipids block antigen cross-presentation by dendritic cells in cancer. Nature communications, 8(1), 2122.

Bernatchez E, et al. (2017) Hypersensitivity pneumonitis onset and severity is regulated by CD103 dendritic cell expression. PloS one, 12(6), e0179678.