

# Resource Summary Report

Generated by [NIF](#) on Aug 13, 2026

## B6.129S7-Itgb2<sup>tm1Bay/J</sup>

RRID:IMSR\_JAX:002128

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:002128

### Organism Information

**URL:** <https://www.jax.org/strain/002128>

**Proper Citation:** RRID:IMSR\_JAX:002128

**Description:** Mus musculus with name B6.129S7-Itgb2<sup>tm1Bay/J</sup> from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: integrin beta 2; mutant strain|congenic strain: Itgb2

**Affected Gene:** integrin beta 2

**Genomic Alteration:** targeted mutation 1; Baylor College of Medicine

**Catalog Number:** JAX:002128

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** embryo

**Organism Name:** B6.129S7-Itgb2<sup>tm1Bay/J</sup>

**Record Creation Time:** 20250513T053629+0000

**Record Last Update:** 20260808T050831+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129S7-Itgb2<sup>tm1Bay/J</sup>.

No alerts have been found for B6.129S7-Itgb2<sup>tm1Bay/J</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Lin Y, et al. (2026) Integrin CD11b/CD18 reprograms macrophage polarization by suppressing ERK/STAT3 signaling to enhance antitumor immunity in colitis-associated colorectal cancer. *Journal for immunotherapy of cancer*, 14(6).

Petenkova A, et al. (2023) Prenylcysteine oxidase 1 like protein is required for neutrophil bactericidal activities. *Nature communications*, 14(1), 2761.

Tomasek K, et al. (2022) Type 1 pilated uropathogenic *Escherichia coli* hijack the host immune response by binding to CD14. *eLife*, 11.

Tang Z, et al. (2021) Inflammatory macrophages exploit unconventional pro-phagocytic integrins for phagocytosis and anti-tumor immunity. *Cell reports*, 37(11), 110111.

Subramanian BC, et al. (2020) The LTB4-BLT1 axis regulates actomyosin and  $\beta$ 2-integrin dynamics during neutrophil extravasation. *The Journal of cell biology*, 219(10).

Swidergall M, et al. (2019) EphA2 Is a Neutrophil Receptor for *Candida albicans* that Stimulates Antifungal Activity during Oropharyngeal Infection. *Cell reports*, 28(2), 423.

Wang H, et al. (2015) P2RX7 sensitizes Mac-1/ICAM-1-dependent leukocyte-endothelial adhesion and promotes neurovascular injury during septic encephalopathy. *Cell research*, 25(6), 674.

Rafferty MJ, et al. (2014)  $\beta$ 2 integrin mediates hantavirus-induced release of neutrophil extracellular traps. *The Journal of experimental medicine*, 211(7), 1485.