

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 30, 2026

B6.129-Siglec1^{tm1(HBEGF)}Mtka/MtkaRbrc

RRID:IMSR_RBRC04395

Type: Organism

Proper Citation

RRID:IMSR_RBRC04395

Organism Information

URL: <https://brc.riken.jp/mus/RBRC04395>

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Description: Mus musculus with name B6.129-Siglec1^{tm1(HBEGF)}Mtka/MtkaRbrc from IMSR.

Species: Mus musculus

Notes: gene symbol note: sialic acid binding Ig-like lectin 1; sialoadhesin; mutant stock: Siglec1

Affected Gene: sialic acid binding Ig-like lectin 1; sialoadhesin

Genomic Alteration: targeted mutation 1; Masato Tanaka

Catalog Number: RBRC04395

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: embryo

Organism Name: B6.129-Siglec1^{tm1(HBEGF)}Mtka/MtkaRbrc

Record Creation Time: 20250513T061456+0000

Record Last Update: 20260725T052138+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Siglec1^{tm1(HBEGF)}Mtka/MtkaRbrc.

No alerts have been found for B6.129-Siglec1^{tm1(HBEGF)}Mtka/MtkaRbrc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Hoffman D, et al. (2021) A non-classical monocyte-derived macrophage subset provides a splenic replication niche for intracellular Salmonella. *Immunity*, 54(12), 2712.

Wong NR, et al. (2021) Resident cardiac macrophages mediate adaptive myocardial remodeling. *Immunity*, 54(9), 2072.

Tacconi C, et al. (2021) CD169+ lymph node macrophages have protective functions in mouse breast cancer metastasis. *Cell reports*, 35(2), 108993.

Millard SM, et al. (2021) Fragmentation of tissue-resident macrophages during isolation confounds analysis of single-cell preparations from mouse hematopoietic tissues. *Cell reports*, 37(8), 110058.

Li Q, et al. (2017) CD169 Expressing Macrophage, a Key Subset in Mesenteric Lymph Nodes Promotes Mucosal Inflammation in Dextran Sulfate Sodium-Induced Colitis. *Frontiers in immunology*, 8, 669.