

Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

Tg(Mcpt8-cre)1Voeh

RRID:MGI:4836216

Type: Organism

Proper Citation

RRID:MGI:4836216

Organism Information

URL:

Proper Citation: RRID:MGI:4836216

Description: Allele Detail: Transgenic This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Transgenic This is a legacy resource.

Phenotype: hematopoietic system phenotype, decreased basophil cell number, skin inflammation, immune system phenotype

Genomic Alteration: Tg(Mcpt8-cre)1Voeh

Catalog Number: 4836216

Background: involves: C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:20817571](#)

Organism Name: Tg(Mcpt8-cre)1Voeh

Record Creation Time: 20240120T190243+0000

Record Last Update: 20240130T201813+0000

Ratings and Alerts

No rating or validation information has been found for Tg(Mcpt8-cre)1Voeh.

No alerts have been found for Tg(Mcpt8-cre)1Voeh.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Ito E, et al. (2025) Eosinophils and pleural macrophages counter regulate IL-33-elicited airway inflammation via the 12/15-lipoxygenase pathway. *Frontiers in immunology*, 16, 1565670.

Olde Heuvel F, et al. (2025) Basophils activate splenic B cells and dendritic cells via IL-13 signaling in acute traumatic brain injury. *Journal of neuroinflammation*, 22(1), 290.

Schuijs MJ, et al. (2024) Interleukin-33-activated basophils promote asthma by regulating Th2 cell entry into lung tissue. *The Journal of experimental medicine*, 221(12).

Thuma N, et al. (2022) A newly identified secreted larval antigen elicits basophil-dependent protective immunity against *N. brasiliensis* infection. *Frontiers in immunology*, 13, 979491.

Ehrens A, et al. (2021) Eosinophils and Neutrophils Eliminate Migrating *Strongyloides ratti* Larvae at the Site of Infection in the Context of Extracellular DNA Trap Formation. *Frontiers in immunology*, 12, 715766.

Meiners J, et al. (2020) IL-33 facilitates rapid expulsion of the parasitic nematode *Strongyloides ratti* from the intestine via ILC2- and IL-9-driven mast cell activation. *PLoS pathogens*, 16(12), e1009121.

Webb LM, et al. (2019) The Notch signaling pathway promotes basophil responses during helminth-induced type 2 inflammation. *The Journal of experimental medicine*, 216(6), 1268.