Overview

Endothelial cells are labeled with GFP in this strain and these mice may be useful in studies of vascular development and regeneration.

Donating Investigator

Thomas N. Sato, Nara Institute of Science and Technology
Tg(TIE2GFP)287Sato

Allele Type
Transgenic (Reporter)

RESEARCH APPLICATIONS
Endocrine Deficiency Research
Research Tools
Developmental Biology Research
Cardiovascular Research

BASE PRICE
Starting at:
$255.00 Domestic price for female 4-week

Details

Detailed Description
This strain expresses Green Fluorescent Protein (GFP) under the direction of the endothelial-specific receptor tyrosine kinase (Tek, formerly, Tie2) promoter. Endothelial cells expressing GFP can be visualized via fluorescent microscopy or purified by FACS.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(TIE2GFP)287Sato
Genotyping Protocols
QPCR: Tg(TIE2GFP)287Sato
Genotyping resources and troubleshooting
Dietary Information
LabDiet® 5K52 formulation (6% fat)
Breeding Considerations

This strain is a good breeder.

Additional Breeding and Husbandry Support
Mating System
Homozygote x Homozygote

Citation
When using the STOCK Tg(TIE2GFP)287Sato/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #003658 in your Materials and Methods section.

Pricing & Availability
Live mice available in varying quantities. Ask Customer Service for details.

Domestic
International

Pricing effective for USA, Canada and Mexico shipping destinations

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**General Terms and Conditions**

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Phone: 207-288-6470

Email: TechTran@jax.org

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**Related Strains**

- All
- By Allele
- By Gene
- By Collection