B6.129/SngTs/J

Stock No: 002287 | Ifng KO

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Also Known As: Ifng KO

Macrophages from mice homozygous for the \textit{Ifng}^{tm1Ts} targeted mutation show impaired production of antimicrobial products and reduced expression of MHC II antigens. There is also uncontrollable proliferation of splenocytes from homozygotes in response to mitogens and alloantigens and a reduced resting natural killer cell activity.

Donating Investigator

Dr. Timothy Stewart
Mice homozygous for the Ifng<sup>tm1Ts</sup> targeted mutation are viable and fertile. Homozygotes appear normal in a "clean" environment but display reduced macrophage function in response to pathogens. Specifically, macrophages show impaired production of antimicrobial products and reduced expression of MHC II antigens. There is also uncontrollable proliferation of splenocytes from homozygotes in response to mitogens and alloantigens and a reduced resting natural killer cell activity.
Genotyping Protocols
Standard PCR: Ifng^{tm1Ts}

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

Appearance
black

Related Genotype: a/a

Citation
When using the Ifng KO mouse strain in a publication, please cite the originating article(s) and include JAX stock #002287 in your Materials and Methods section.

Facility Barrier Level Descriptions

Animal Health Reports

Pricing & Availability

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