These IFN-γR2 mice express a transgene containing a sequence encoding mouse IFNGR2 and exhibit defects in Th1-dependent immunity in vivo as well as impaired Th1 polarization potential in vitro.
Expression of IFN-γR2 in these TG mice is controlled by the CD2 promoter and enhancer. CD4+ T cells from IFN-γR2 TG mice exhibit impaired Th1 polarization potential in vitro. TG mice also display several defects in Th1-dependent immunity in vivo, including attenuated delayed-type hypersensitivity responses and decreased antigen-specific IFN-γ production. In addition, TG mice mount impaired Th1 responses against *Leishmania major*, as manifested by increased parasitemia and more severe lesions than their wild-type littermates. This strain is useful in studies related to the role of cytokine receptor expression in the development and function of T helper cells.
Genotyping Protocols
Genotyping resources and troubleshooting

Citation
When using the IFN-\(\gamma\)R2 TG mouse strain in a publication, please cite the originating article(s) and include JAX stock #004551 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
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<td>Cryo Recovery</td>
<td>Hemizygous for Tg(CD2-Ifngr2)2Pbro</td>
<td>$2,854.50</td>
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Pricing effective for USA, Canada and Mexico shipping destinations

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