

#### Animal Model

### B10.129P2(B6)-II10tm1Cgn/J

Jackson Stock Number: 002250

#### Abstract

Mice homozygous for the II10tm1Cgn targeted mutation are viable and fertile when housed under SPF conditions. Under conventional housing conditions homozygous mutant mice are small in size, anemic, and have chronic enterocolitis. Intestinal problems are far less severe (local inflammation of the proximal colon) in a pathogen-free environment. Lymphocyte development and antibody responses are normal in homozygous mutant mice.

#### Cancer Research:

Growth Factors/Receptors/Cytokines

#### Hematological Research:

Anemia, Iron Deficiency and Transport Defects (hemolytic), Immunological Defects

#### Immunology and Inflammation Research:

Autoimmunity Growth Factors/Receptors/Cytokines, Immunodeficiency  
Inflammation (Inflammatory bowel disease)

#### Further Reading & Datasheet

[See information from The Jackson Laboratory](#)

This animal model is bred and managed by The Jackson Laboratory and marketed for commercial use by Ascenion.

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