

## Animal Model

# C3Bir.Cg-II10tm1Cgn (D3Mit11-D3Mit19)/Lt

Jackson Stock Number: 004982

### Abstract

Homozygous mice are IL10-deficient and develop spontaneous colitic lesions in the cecum and large intestine as early as 6-8 weeks of age. The severity and age of onset of colitis varies with the donor type and location of the cytokine deficiency colitis susceptibility 1 (Cdcs1) interval. Generally, the C57BL/6 region encompassed by D3Mit348 through D3Mit254 (127.7-132.5 megabases) confers a degree of colitis resistance on the C3Bir.129P2(B6)-II10tm1Cgn/Lt background. (Beckwith J, et al., 2005) Granulocyte populations in peripheral blood increase upon lesion development and provide a robust non-lethal assessment of colitis severity.

### 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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