

Resource Summary Report

Generated by [NIF](#) on Aug 1, 2026

B6.Cg-B2m^{tm1Jae} Tap1^{tm1Hpl}/Mmucd

RRID:MMRRC_032245-UCD

Type: Organism

Proper Citation

RRID:MMRRC_032245-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=32245

Proper Citation: RRID:MMRRC_032245-UCD

Description: Mus musculus with name B6.Cg-B2m^{tm1Jae} Tap1^{tm1Hpl}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Immunology and Inflammation, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased hematocrit [MP:0000208] enlarged spleen [MP:0000691] enlarged lymph nodes [MP:0000702] dermatitis [MP:0001194] decreased body size [MP:0001265] reduced long term depression [MP:0001475] anemia [MP:0001577] abnormal long term depression [MP:0001898] abnormal glucose homeostasis [MP:0002078] abnormal T cell differentiation [MP:0002145] abnormal lymph node morphology [MP:0002339] abnormal double-positive T cell morphology [MP:0002408] abnormal CD8-positive [MP:0002436] alpha-beta cytotoxic T cell morphology [MP:0002461] increased immunoglobulin level [MP:0002493] increased IgG level [MP:0002494] increased IgM level [MP:0002722] abnormal immune system organ morphology [MP:0003008] enhanced long term potentiation [MP:0003306] small intestinal inflammation [MP:0003944] abnormal T cell subpopulation ratio [MP:0004165] abnormal lateral geniculate nucleus morphology [MP:0004753] abnormal miniature excitatory postsynaptic currents [MP:0004792] abnormal synaptic vesicle number [MP:0005026] decreased susceptibility to parasitic infection [MP:0005078] abnormal cytotoxic T cell physiology [MP:0005348] increased T cell proliferation [MP:0005638] hemochromatosis [MP:0008071] absent B cells [MP:0008074] increased CD4-positive [MP:0008075] alpha beta T cell number [MP:0008077] decreased CD4-positive [MP:0008078] alpha beta T cell number [MP:0008079] abnormal CD8-positive [MP:0008080] alpha-beta T cell number [MP:0008097] increased CD8-positive [MP:0008101] alpha-beta T cell number [MP:0008346] decreased CD8-positive

[MP:0008350] alpha-beta T cell number [MP:0008535] abnormal CD8-positive [MP:0008560] alpha-beta T cell differentiation [MP:0008571] increased plasma cell number [MP:0008696] lymph node hypoplasia [MP:0008700] increased gamma-delta T cell number [MP:0008751] increased gamma-delta intraepithelial T cell number [MP:0008752] enlarged lateral ventricles [MP:0009538] reduced long term depression [MP:0001475] abnormal long term depression [MP:0001898] increased tumor incidence [MP:0002020] enhanced long term potentiation [MP:0003008] abnormal lateral geniculate nucleus morphology [MP:0004165] abnormal miniature excitatory postsynaptic currents [MP:0004753] abnormal synaptic vesicle number [MP:0004792] increased lung tumor incidence [MP:0008014] enlarged lateral ventricles [MP:0008535] abnormal synaptic bouton morphology [MP:0008571] increased uterus tumor incidence [MP:0009222] abnormal synapse morphology [MP:0009538] increased gastrointestinal tumor incidence [MP:0010279] increased mammary gland tumor incidence [MP:0010299] increased skin tumor incidence [MP:0010300]

Affected Gene: |B2m|Tap1

Catalog Number: 032245-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:11118151](#), [PMID:17420446](#), [PMID:9548460](#), [PMID:2685607](#), [PMID:8643655](#)

Alternate IDs: MMRRC_32245-UCD, MMRRC_032245, MMRRC_32245

Organism Name: B6.Cg-B2m^{tm1Jae} Tap1^{tm1Hpl}/Mmucd

Record Creation Time: 20230308T055127+0000

Record Last Update: 20260801T124242+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-B2m^{tm1Jae} Tap1^{tm1Hpl}/Mmucd.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human type 1 diabetes mellitus.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.