

Floxed mutant mice possessing flanking loxP sites of the Ptger3 gene on Balb/C background. The Ptger3 conditional floxed mutant mice on Balb/c background may be useful in generating conditional mutations for studying prostaglandin biology and fever response in inflammation.

Keywords: [prostaglandin E receptor subtype 3](#) [Ptger3](#) [EP3](#) [floxEP3](#) [Balb/c](#) [Brey](#)

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Mouse Information

Common Name	floxEP3BAL
VCMR ID	KK
Date Cryopreserved	2009-09-09
Method of Cryopreservation	Sperm
Trial IVF % Fertilization	5.00%

Genetic Alteration

Mutation #1: Targeted Mutagenesis	
Allele	Name: prostaglandin E receptor 3 (subtype EP3); targeted mutation 1.1, Richard M Breyer Symbol: Ptger3 ^{tm1.1} Brey MGI: MGI:5784744
Zygoty at cryopreservation	Homozygous
PCR Genotyping Protocol	Breyer_Lab_floxEP3_PCR_protocol.pdf
Citations	Publication EP3 prostaglandin receptors in the median preoptic nucleus are critical for fever responses. (2007) <i>Nat Neurosci</i> 10 : 1131-3 (Added 6/18/2019) PMID: 17676060

Background Strain Information

Strain Type	Congenic Strain
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Chimera/Founder Genetic Background	129S6/SvEvTac
Cryopreservation Strain Background (VCMR)	BALB/c
Viability and Fertility Data	Viable and fertile.

Attachments

 [Breyer_Lab_floxEP3_PCR_protocol.pdf](#) - Added on June 18, 2019 at 1:42 PM by Jennifer Skelton

 [floxEP3BAL_info.docx](#) - Added on June 18, 2019 at 1:42 PM by Jennifer Skelton
