

Itgb1-Flox

Nomenclature	C57BL/6Smoc- <i>Itgb1</i> ^{tm1(flox)Smoc}
Cat. NO.	NM-CKO-200027
Strain State	Repository Live

Gene Summary

Gene Symbol Itgb1	Synonyms	CD29, Fnrb, gpIIa, Gm9863, AA409975, AA960159, 4633401G24Rik
	NCBI ID	16412
	MGI ID	96610
	Ensembl ID	ENSMUSG00000025809
	Human Ortholog	ITGB1

Model Description

These mice carry loxP sites flanking exon 3 of *Itgb1* gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of *Itgb1* gene.

Research Application: Cancer research

*Literature published using this strain should indicate: *Itgb1*-Flox mice (Cat. NO. NM-CKO-200027) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Hirschsprung's Disease	Phenotype(s)	MGI:3624521 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with PLAT-cre mice.
	Reference(s)	Breau MA, Pietri T, Eder O, Blanche M, Brakebusch C, Fassler R, Thiery JP, Dufour S, Lack of {beta}1 integrins in enteric neural crest cells leads to a Hirschsprung-like phenotype. <i>Development</i> . 2006 May;133(9):1725-34

Validation Data

No data
