

RBRC 11314

Strain name C57BL/6JJcl-Tg(CnCd2-TCR)Tukk

Primer	primer_name	primer_seq	length	Reference
1	promoter	GCGCTTGTGTCGCCATTGTATTC	23	RIKEN BRC
2	TCR-C-alpha	GGATCCATGCCTTCTTACCTCAACTG	26	J. Immunol., 205(3):686-698 (2020).
3	TCR-C-beta2	CAGGATCCCATAAAAAGTTTGTCTCAGGA	28	J. Immunol., 205(3):686-698 (2020).
4	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
5	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

Reaction Components

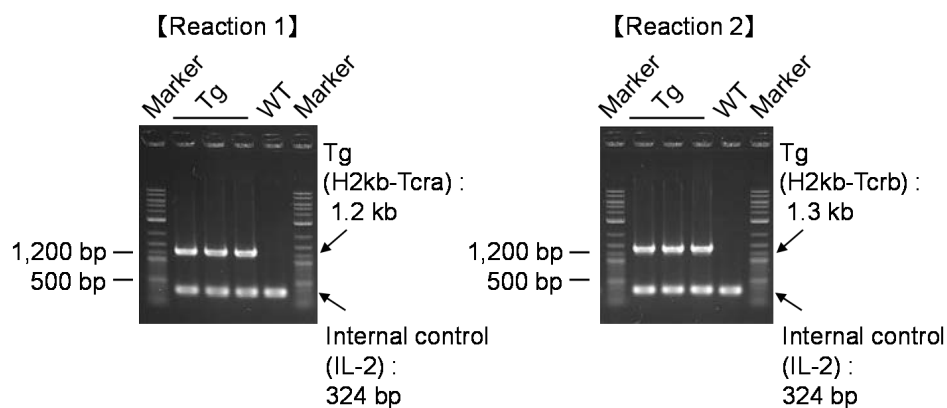
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	120*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4
H2O		0.8	0.8		
PCR buffer	2 X	10.0	10.0		
dNTP	2.0 mM	4.0	4.0		
primer 1	10 pmol/μl	1.0	1.0		
primer 2	10 pmol/μl	1.0	0		
primer 3	10 pmol/μl	0	1.0		
primer 4	10 pmol/μl	1.0	1.0		
primer 5	10 pmol/μl	1.0	1.0		
DNA		1.0	1.0		
Taq	1 U/μl	0.2	0.2		
total		20	20		

Marker	2-Log DNA Ladder (NEB, Cat. N3200)
Gel	1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	1.2 kb
primer 1	primer 3	1.3 kb
primer 4	primer 5	324 bp

Comment [Standard PCR](#)

Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.