

Supplementary Table S4: Key reagents and resources

List of primers.

for RNA FISH probes prepared by PCR amplification of mouse genomic DNA fragments using the primer list below, targeting both exon and intron regions of Tlr7.

PCR primer pairs used in the preparation of the Tlr7 RNA FISH probe		
Primer pair	Sequences 5'-3' (F&R)	Size of amplicon
Tlr7-1F + Tlr7-1R	GCGTGTCAAGGGGTATGTCT GAGTTTGGCCAATGGTGT	476 bp
Tlr7-2F + Tlr7-2R	GGAGCTCTGTCCTTGAGTGG TTCTTCAGGGCAGATGTGTG	428 bp
Tlr7-3F + Tlr7-3R	ATTCCTTGCCCTCCTGAGGTT TTGACCTTTGTGTGCTCCTG	482 bp
Tlr7-4F + Tlr7-4R	CTCTGCGAGTCTCGGTTTTTC CAAGAGGTCTGGTGGAGGAG	490 bp
Tlr7-5F + Tlr7-5R	GGCCACTGATGTGACTTGTG GCTGTATGCTCTGGGAAAGG	422 bp
Tlr7-6F + Tlr7-6R	TGTGGACACGGAAGAGACAA TAAGCTGGATGGCAGATCCT	437 bp
Tlr7-7F + Tlr7-7R	ATCAGAGGCTCCTGGATGAA AACTGAGCATGGCACATGAA	424 bp
Tlr7-8F + Tlr7-8R	GGGGTTGGCTTTACATTTCA TCAGGCAGAACTGACCCTTC	413 bp
Tlr7-9F + Tlr7-9R	TATTTGGAAAGCCCAAAGCA GTGACACTTGAAAGGCAGCA	425 bp
Tlr7-10F + Tlr7-10R	AACCACTCTATGCCTTCAAGA ATGGAATCAAGAGGTCTGGT	439 bp
Tlr7-11F + Tlr7-11R	ATGCTCTCTCCTTGGTCATC GCCTCAGTTTCTTGACCTGT	465 bp
Tlr7-12F + Tlr7-12R	AGGACACAGTCCTTGAAACC AACCTTTTCCTCTGGTGAGA	452 bp
Tlr7-13F + Tlr7-13R	CATCATATGCTTTCATCTGGA TGGTTATAATTCATGGCTGTT	422 bp
Tlr7-14F + Tlr7-14R	AAGTTCTGGAGGGATGTGAG AGGACTCAACCTCAAACCTCAG	458 bp
Tlr7-15F + Tlr7-15R	TGTAGTGGCCAAGCAGTTAG GCTGTAGACACAAACAAGAGC	481 bp
Tlr7-16F + Tlr7-16R	TTGGTACCCAGGGAGTCTAC ATAAAGAGAGGCGTTCAGCA	457 bp
Tlr7-17F + Tlr7-17R	AGAGGACAAGCCCAAGAC TGCACAGGTGTTTCTATTCTC	415 bp

Tlr7-18F + Tlr7-18R

CTGGCTCACCCAGATAGTG
AGCTTCTGGAAGAACAATGG

444 bp

Lists of antibodies

Antibodies	Fluorochrome	Source	Identifier	Dilution
DRAQ7	Far-red	Abcam		1 :2000
Viability dye	eFluor 506	Invitrogen		1 :2000
Anti-mouse CD19	BV786	BD	Clone 1D3	1 :800
		Bioscience		
Anti-mouse CD138 (Syndecan-1)	BV605	BioLegend	Clone 281-2	1 :600
Anti-mouse/human GL7	Pacific Blue	BioLegend	Clone GL7	1 :600
Anti-mouse CD95 (Fas)	PE-Cy7	BD	Clone Jo2	1 :600
		Bioscience		
Anti-mouse CD45.1	Alexa Fluor 700	BioLegend	Clone A20	1 :500
Anti-mouse CD45.2	APC	BD	Clone 104	1 :500
		Bioscience		
Anti-mouse IgG1	Biotin	BD	Clone A85-1	1 :1000
		Bioscience		
Streptavidin	BV711	BioLegend		1 :500
Anti-mouse CD45.1	Biotin	BD	Clone A20	1 :500
		Bioscience		
Streptavidin	V450	BD		1 :500
		Bioscience		
Anti-mouse IgD	BUV395	BD	Clone 11-26c.2a	1 :500
		Bioscience		
Anti-mouse CD19	BV605	BD	Clone 1D3	1 :600
		Bioscience		
Anti-mouse CD138 (Syndecan-1)	BV421	BioLegend	Clone 281-2	1 :500
Anti-mouse CD45.2	PE	BD	Clone 104	1 :400
		Bioscience		
Anti-mouse CD138 (Syndecan-1)	PE-Cy7	BioLegend	Clone 281-2	1 :800
Anti-mouse I-A/I-E	BV711	BioLegend	Clone M5/114.15.2	1 :5000
Anti-mouse CD38	AF700	eBiosciences	Clone 90	1 :400
Anti-mouse CD40	APC	BioLegend	Clone 3/23	1 :400
Anti-mouse CD79b	BUV737	BD	Clone HM79b	1 :100
		Bioscience		

Anti-mouse B220	APC-Cy7	BioLegend	Clone RA3 GB2	1 :500
Anti-mouse CD23	BV605	BD	Clone B3B4	1 :600
		Bioscience		
Anti-mouse CD21	PerCP-Cy5.5	BD	Clone 7G6	1 :600
		Bioscience		
Anti-mouse IgM	BV421	BD	Clone II/41	1 :800
		Bioscience		
Anti-mouse CD81	PE	BioLegend	Clone Eat-2	1 :100
Anti-mouse Tlr7	PE	BD	Clone A94B10	1 :1000
		Bioscience		
Anti-mouse XPB1-1S	Alexa Fluor	BD	Clone Q3-695	1 :400
	647	Bioscience		
Anti-mouse CD43	PE-Cy7	BioLegend	Clone S11	1 :500
Anti-mouse IgM	APC-eFluor	Invitrogen	II/41	1 :500
	780			
Anti-mouse CD11c	Biotin	BD	N418	1 :400
		Biosciences		
Annexine V	APC	BioLegend		1 :10
CTV	Far Red	ThermoFisher		1 :2000
		r		
Ruby	Vybrant	ThermoFisher		1 :500
	DyeCycle	r		