

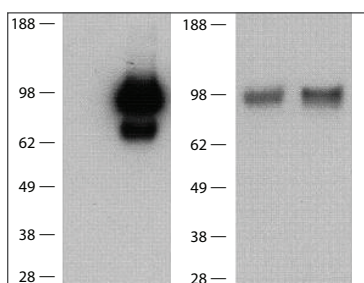
Toll-Like Receptors

Toll-Like Receptors: Bridging Innate and Adaptive Responses

Members of the Toll-like receptor (TLR) family recognize pathogen-associated molecular patterns (PAMPs) expressed by a wide spectrum of infectious agents. To date, over thirteen TLRs have been reported in human and mouse. TLRs activate the NF- κ B pathway, which regulates cytokine expression, through several adaptor molecules including MyD88, TIRAP/Mal and

TRIF. Activation of the NF- κ B pathway links innate and adaptive immune responses by promoting the production of inflammatory cytokines such as IL-1, IL-6, IL-8, TNF- α , IL-12, and chemokines as well as inducing the expression of costimulatory molecules such as CD80, CD86, and CD40.

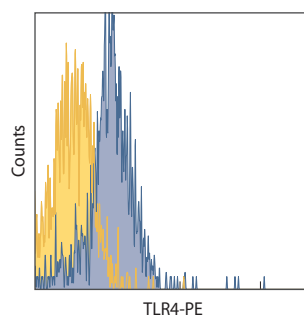
Mouse TLR1



Left Panel: Untransfected control (left) and mouse TLR1-transfected (right) Baf/3 cell lysates were loaded at 1×10^5 cells/lane, and probed with 3 μ g/ml purified anti-TLR1 (cat. no. 14-9012) and revealed with HRP anti-rat IgG (cat. no. 18-4818).

Right Panel: Peritoneal-exudate (left) and RAW264.7 (right) cell lysates were loaded at 1×10^5 cells/lane, probed with 3 μ g/ml purified anti-TLR1 (cat. no. 14-9012) and revealed with HRP anti-rat IgG (cat. no. 18-4818).

Human TLR4



Staining of normal human peripheral blood cells with PE mouse IgG2a isotype control (cat. no. 12-4724) (yellow histogram) or PE anti-human TLR4 (cat. no. 12-9917) (grey histogram). Cells in the monocyte gate were used for analysis.

2010 | April

FEATURING

ANTIBODIES

- TLR1 (h,m)
- TLR2 (h,m)
- TLR3 (h,m)
- TLR4 (h,m)
- TLR6 (h)
- TLR7 (h,m)
- TLR9 (h,m)

h=human, m=mouse

Toll-Like Receptor Products

Mouse	Clone	Applications	Cat. No.	Polyclonal	Purified	Functional Grade™ Purified	Biotin	Functional Grade™ Biotin	eFluor® 450	eFluor® 605NC	eFluor® 650NC	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP-eFluor® 710	PE-Cy7	PerCP-Cy5.5	APC	Alexa Fluor® 647	Alexa Fluor® 700	APC-eFluor® 780	
TLR1	eBioTR23	FC, IP	9011		•		•							•						•			
	eBioLD5	WB	9012		•																		
TLR2	6C2	FC, IP, IHC/F, IHC/P	9021		•	•	•					•		•							•		
	mT2.7	FC, IHC/F, IP	9022		•		•					•		•									
	T2.5	FC, FA, IHC, IP	9024		•	•	•							•	•		•				•	•	
TLR3	T3.7C3	WB	9032		•																		
TLR4	UT41 (TLR4 & TLR4/MD-2)	FC	9041		•		•						•	•									
	UT12 (TLR4/MD-2, activating)	FC, FA	9925		•	•																	
	MTS510 (TLR4/MD-2, blocking)	FC, FA, NU, IP, IHC/F	9924		•	•	•							•			•		•				
	UT18 (TLR4/MD-2, activating)	FC, FA, IP	9926		•	•																	
TLR7	Polyclonal	WB	9079	•																			
TLR9	Polyclonal	WB, FC	9092	•																			
	M9.D6	ICFC, WB	9093		•		•					•											
Human	Clone	Applications	Cat. No.																				
TLR1	GD2.F4	FC, IHC	9911		•	•								•									
TLR2	Polyclonal	WB	9028	•																			
	T2.5	FC, FA, IHC, IP	9024		•	•	•						•	•			•				•	•	
	TL2.3	FC, IHC/F	9029		•																		
	TL2.1	FC, FA, IHC/F, IP, WB	9922		•	•	•					•	•	•					•	•	•		
TLR3	TLR3.7	FC, FA, IP	9039		•	•	•							•									
TLR4	Polyclonal	WB	9048	•																			
	Polyclonal	WB	9920	•																			
	HTA125	FC, FA, IP	9917		•	•	•		•				•	•			•		•	•	•		
TLR6	hPer6	FC, WB	9069		•		•																
TLR7	Polyclonal	WB	9079	•																			
TLR9	eB72-1665	ICFC, IP, WB	9099		•									•									

APPLICATION KEY: FC = Flow Cytometry; ICFC = Intracellular Staining/Flow Cytometry; IHC = Immunohistochemistry; IHC/F = IHC (Frozen); IHC/P = IHC (Paraffin); IHC/PF = IHC (Paraffin & Frozen); BA = Bioassay; FA = Functional Activity; ELISA (c) = ELISA capture; ELISA (d) = ELISA detection; ELISPOT (c) = ELISPOT capture; ELISPOT (d) = ELISPOT detection; WB = Western Blot; IP = Immunoprecipitation; NU = Neutralizing