

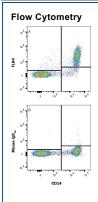
## **Human TLR4 Antibody**

Monoclonal Mouse IgG<sub>2A</sub> Clone # 610015 Catalog Number: MAB6248

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human TLR4 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) TLR1, 2, 3, 5, 7, 8, 9, 10, recombinant mouse (rm) TLR4, rmTLR6, rhTIRAP, rhIL-1 RI, rhIL-1 RII, rhIL-1 RACP, rhST2, rhIL-18 R, rhIL-1 Rrp2, rhIL-18 Rβ, rhSIGIRR rhIL-1 RAPL1, rhIL-1 RAPL2, rhMD-1, rhMD-2, or rmRP105 is observed.	
Source	Monoclonal Mouse IgG <sub>2A</sub> Clone # 610015	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TLR4 Glu24-Lys631 Accession # 000206	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

APPLICATIONS  Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.				
Flow Cytometry	0.25 μg/10 <sup>6</sup> cells	See Below		
CyTOF-ready	Ready to be labeled using established c conjugation.	onjugation methods. No BSA or other carrier proteins that could in	terfere with	

## DATA



Detection of TLR4 in human PBMC's by Flow Cytometry
Human peripheral blood mononuclear cells (PBMCs) were stained with Mouse Anti-Human CD14 PE-conjugated Monoclonal Antibody (Catalog # FAB3832P) and either (A) Mouse Anti-Human TLR4 Monoclonal Antibody (Catalog # MAB6248) or (B) isotype control antibody (Catalog # MAB03) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE				
Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL. For liquid material, refer to CoA for concentration.			
Shipping	Lyophilized product is shipped at ambient temperature. Liquid small pack size (-SP) is shipped with polar packs. Upon receipt, store immediately at the temperature recommended below.			
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.			
	<ul> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> </ul>			
	1 month, 2 to 8 °C under sterile conditions after reconstitution.			
	6 months -20 to -70 °C under sterile conditions after reconstitution			

## BACKGROUND

Toll-Like Receptor (TLR4) belongs to the IL-1 receptor/Toll-like receptor superfamily. It is expressed in placenta and peripheral blood leukocytes. TLR4 is the pattern recognition receptor for LPS.

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