

DESCRIPTION

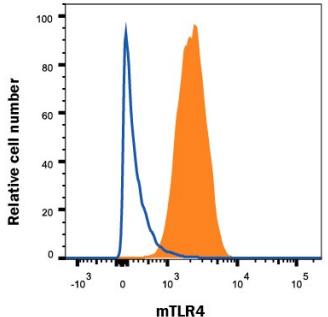
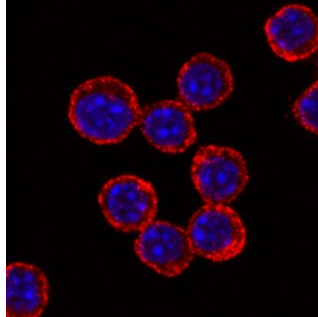
Species Reactivity	Mouse
Specificity	Detects mouse TLR4 in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1203B
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse TLR4 Asn26-Lys629 Accession # Q9QUK6
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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.

	Recommended Concentration	Sample
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
Immunocytochemistry	1-25 µg/mL	See Below

DATA

<p>Flow Cytometry</p>  <p>Detection of TLR4 in RAW 264.7 Mouse Cell Line by Flow Cytometry. RAW 264.7 mouse monocyte/macrophage cell line was stained with Rabbit Anti-Mouse TLR4 Monoclonal Antibody (Catalog # MAB27591, filled histogram) or isotype control antibody (Catalog # AB-105-C, open histogram), followed by Phycoerythrin-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # F0110).</p>	<p>Immunocytochemistry</p>  <p>TLR4 in RAW 264.7 Mouse Cell Line. TLR4 was detected in immersion fixed RAW 264.7 mouse monocyte/macrophage cell line using Rabbit Anti-Mouse TLR4 Monoclonal Antibody (Catalog # MAB27591) at 1 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rabbit IgG Secondary Antibody (red; Catalog # NL004) and counterstained with DAPI (blue). Specific staining was localized to cell surfaces and cytoplasm. View our protocol for Fluorescent ICC Staining of Non-adherent Cells.</p>
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PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

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.