

DESCRIPTION

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| 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 R1, 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 _{2A} 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 # O00206 |
| Conjugate | Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm |
| Formulation | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

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 | 0.25-1 µg/10 ⁶ cells | Human peripheral blood monocytes |

PREPARATION AND STORAGE

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| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied. |

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.

PRODUCT SPECIFIC NOTICES

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