



TLR4 Polyclonal Antibody

CATALOG #: 3251-100
AMOUNT: 100 µg
LOT #: _____
HOST: Rabbit
IMMUNOGEN: Recombinant human TLR4
SPECIES REACTIVITY: human

FORMULATION:

100 µg (0.2 mg/ml) Protein A affinity purified rabbit anti-TLR4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

TLR4 (Toll-like receptor 4) is a mammalian homologue of the *Drosophila* toll protein. The human TLR4 is a type-1 transmembrane protein containing 799 amino acid residues. The extracellular domain has leucine-rich repeats and the intracellular domain is similar to that of IL-1 receptor. TLR4 is a receptor for lipopolysaccharide (LPS). In mice that are genetically tolerant to endotoxin, mutations have been identified in the intracellular domain of TLR4 that abolish LPS responsiveness. TLR4 uses a mechanism similar to that of the IL-1 receptor for signal transduction that leads to activation of NF-κB.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). The antibody is also suitable for flow cytometric analysis of cell surface expression of TLR4. However, the optimal conditions should be determined individually.



TLR4

Cat.# 3251-100
 Western blot analysis
 of TLR4 in transfected
 HRK293 cells.

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- Caspase Assay Kits & Reagents
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- Nuclear Apoptosis Kits & Reagents
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- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Bioluminescence Cytotoxicity Assay Kit
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