

## Product Datasheet

### TLR4 antibody orb152204

<b>Description</b>	Rabbit polyclonal to TLR4 (HRP). The Toll-like receptor (TLR) family in mammal comprises a family of trans-membrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and 1L-1 receptor motif in the cytoplasmic domain. Like its counterparts in Drosophila, TLRs signal through adaptor molecules. The TLR family is a phylo-genetically conserved mediator of innate immunity that is essential for microbial recognition. Ten human homologs of TLRs (TLR1-10) have been described. Among this family of receptors, TLR2 and TLR4 have been most studied. These studies have suggested that TLR2 and TLR4 may serve as potential main mediators of LPS signaling (4,5). The mouse TLR4 cDNA codes for a protein consisting of 839 amino acids, with an approximate molecular weight of 90kDa..
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Conjugation</b>	HRP
<b>Tested Applications</b>	FACS, FC, ICC, IHC, WB
<b>Immunogen</b>	Developed against a synthetic peptide corresponding to amino acids 420-435 of human TLR4
<b>Target</b>	TLR4
<b>Concentration</b>	1 mg/ml
<b>Preservatives</b>	PBS, 50% glycerol, 0.09% sodium azide *Storage buffer may change when conjugated
<b>Storage</b>	Conjugated antibodies should be stored at 4°C
<b>Note</b>	For research use only.
<b>Clonality</b>	Polyclonal
<b>MW</b>	75-80kDa
<b>Uniprot ID</b>	<a href="#">O00206</a>
<b>NCBI</b>	<a href="#">7099</a> , <a href="#">NP_612564.1</a>
<b>Entrez</b>	<a href="#">7099</a>
<b>Dilution Range</b>	WB (1:500), IHC (1:50)
<b>Expiration Date</b>	12 months from date of receipt.
<b>Application Notes</b>	2 µg/ml of SPC-200 was sufficient for detection of TLR4 in 100 ng of partial recombinant mouse TLR4 protein by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.