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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP59041_P050-Biotin
Product Page	www.avivasysbio.com/tlr4-antibody-middle-region-biotin-arp59041-p050-biotin.html
Name	TLR4 Antibody - middle region : Biotin (ARP59041_P050-Biotin)
Protein Size (# AA)	839 amino acids
Molecular Weight	93kDa
Conjugation	Biotin
NCBI Gene Id	7099
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Toll-like receptor 4
Alias Symbols	TOLL, CD284, TLR-4, ARMD10
Peptide Sequence	Synthetic peptide located within the following region: LGEFRNEGNLEKFDKSALEGLCNLTIEEFRLAYLDYYLDDIIDLFNCLTN
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from <i>Drosophila</i> to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor is most abundantly expressed in placenta, and in myelomonocytic subpopulation of the leukocytes. It has been implicated in signal transduction events induced by lipopolysaccharide (LPS) found in most gram-negative bacteria. Mutations in this gene have been associated with differences in LPS responsiveness. Also, several transcript variants of this gene have been found, but the protein coding potential of most of them is uncertain.
Protein Interactions	TNFSF9; SRC; SYK; SMAD3; SERTAD1; BTK; TICAM1; HGS; UBC; HSPA4; TICAM2; STK11IP; TIRAP; TRAF3; TRIM69; IRAK4; TBK1; STUB1; TRAF6; PRKCZ; MYD88; IRAK1; HSPA8; RNF216; CNPY4; SIGIRR; MAPK8IP3; NOX4; TOLLIP; LY96; BCL10; RIPK2; IRAK2; TLR5; DEFB4A; TLR1; HSP
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-TLR4 (ARP59041_P050-Biotin) antibody
Blocking Peptide	For anti-TLR4 (ARP59041_P050-Biotin) antibody is Catalog # AAP59041 (Previous Catalog # AAPP45034)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human TLR4
Uniprot ID	O00206
Protein Name	Toll-like receptor 4
Protein Accession #	NP_612564
Purification	Affinity Purified
Nucleotide Accession #	NM_138554
Gene Symbol	TLR4
Predicted Species Reactivity	Human, Pig

Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Human: 100%; Pig: 86%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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