

ARG20469 anti-CD284 / TLR4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD284 / TLR4
Tested Reactivity	Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD284 / TLR4
Species	Rat
Immunogen	Synthetic peptide around 819 aa of Rat TLR4 protein (NP_062051.1)
Conjugation	Un-conjugated
Alternate Names	CD284; CD antigen CD284; ARMD10; hToll; TLR-4; TOLL; Toll-like receptor 4

Application Instructions

Application table	Application	Dilution
	WB	0.5-4 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

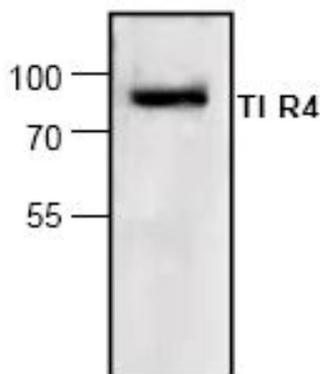
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2), 30% Glycerol, 0.5% BSA and 0.01% Thimerosal
Preservative	0.01% Thimerosal
Stabilizer	30% Glycerol, 0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 29260 Rat Swiss-port # Q9QX05 Rat
Gene Symbol	Tlr4
Gene Full Name	toll-like receptor 4
Background	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- κ B.
Highlight	Related products: TLR4 antibodies ; TLR4 ELISA Kits ; Anti-Rabbit IgG secondary antibodies ; Related news: Detecting exosomal HMGB1 for ICD research
Research Area	Cell Biology and Cellular Response antibody; Immune System antibody; Microbiology and Infectious Disease antibody
Calculated Mw	96 kDa
PTM	N-glycosylated. Glycosylation of Asn-526 and Asn-575 seems to be necessary for the expression of TLR4 on the cell surface and the LPS-response. Likewise, mutants lacking two or more of the other N-glycosylation sites were deficient in interaction with LPS.

Images



ARG20469 anti-CD284 / TLR4 antibody WB image

Western blot: Rat kidney tissue lysate stained with ARG20469 anti-CD284 / TLR4 antibody.