

TLR4 / CD284 recombinant protein

Recombinant Human TLR4 / CD284 Protein (His tag)

CATALOG # AAA173573	HOST Baculovirus-Insect Cells
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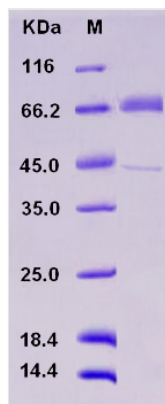
PRODUCT SYNONYMS

TLR4 / CD284; Recombinant Human TLR4 / CD284 Protein (His tag); ARMD10; CD284; TLR-4; TLR4; TOLL; TLR4 / CD284 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus-Insect Cells
Purity/Purification	>87 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from sterile 20mM PB, 500mM NaCl, 10% Glycerol, pH 6.0, 5%Trehalose, 5%Mannitol, 0.01% Tween-80
Sequence Positions	Met 1-Lys631
Sequence Length	799
Species	Human
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stocksolution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Tag	C-His
Preparation and Storage	Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4°C to 8°C for 2-7 days. Aliquots of reconstituted samples are stable at <-20 degree C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TLR4 / CD284 recombinant protein	TLR4, also known as TLR-4, 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 Drosophila 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. TLR4 is most abundantly expressed in placenta, and in myelomonocytic subpopulation of the leukocytes. TLR 4 has also been designated as CD284 (cluster of differentiation 284). It has been implicated in signal transduction events induced by lipopolysaccharide (LPS) found in most gram-negative bacteria. TLR4 Cooperates with LY96 and CD14 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). It acts via MYD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. It is also involved in LPS-independent inflammatory responses triggered by Ni(2+).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507533
NCBI GeneID	7099
NCBI Accession #	NP_003257.1
NCBI GenBank Nucleotide #	NM_003266.3
UniProt Accession #	O00206-1; Q5VZI8; Q5VZI9; Q9UK78; Q9UM57; A8K1Y8; A9XLP9; A9XLQ0; A9XLQ1; B4E194; D1CS52; D1CS53 ; O00206
Molecular Weight	Mol_Mass: 70.5 kDa AP_Mol_Mass: 68 kDa
NCBI Official Full Name	toll-like receptor 4 isoform C
NCBI Official Synonym Full Names	toll like receptor 4
NCBI Official Symbol	TLR4
NCBI Official Synonym Symbols	TOLL; CD284; TLR-4; ARMD10
NCBI Protein Information	toll-like receptor 4
UniProt Protein Name	Toll-like receptor 4
UniProt Gene Name	TLR4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tlr4-recombinant-protein-baculovirus-insect-cells/173573>