Active Recombinant Human TLR4 Protein, His-tagged

Cat. No. TLR4-7275H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TLR4 Protein(Met1-Lys631) (O00206-1) was expressed in Insect Cells with a C-terminal polyhistidine tag.
Species	Human
Source	Insect Cells
Form	Lyophilized from sterile 20mM PB, 500mM NaCl, pH 6.0, 10% glycerol.
Bio-activity	1.Immobilized Recombinant Human TLR4 / CD284 Protein (His Tag) at 1 μg/mL (100 μl/well) on His Tag Antibody, Mouse MAb precoated (5 μg/mL, 100 μL/well) can bind Anti-TLR4 Antibody, the EC50 is 4-15 ng/mL. 2.Immobilized Anti-TLR4 Antibody at 2 μg/mL (100 μL/well) can bind Recombinant Human TLR4 / CD284 Protein (His Tag), the EC50 is 4-15 ng/mL.
Molecular Mass	The secreted recombinant human TLR4 consists of 619 amino acids and predicts a molecular mass of 70.5 KDa. The apparent molecular mass of the protein is approximately 68 Kda in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	≥ 87 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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	be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	TLR4 toll-like receptor 4 [Homo sapiens]
Official Symbol	TLR4
Synonyms	TLR4; toll-like receptor 4; CD284; hToll; TLR 4; homolog of Drosophila toll; TOLL; TLR-4; ARMD10;
Gene ID	7099
mRNA Refseq	NM_003266
Protein Refseq	NP_003257
UniProt ID	O00206

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