

Recombinant Human TLR2 cell lysate

Cat. No. TLR2-439HCL Lot. No. (See product label)

SPECIFICATION

Product Overview	Human TLR2 / CD282 (aa 1-587) derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	Insect Cells
ProteinLength	1-587 a.a.
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	TLR2 toll-like receptor 2 [Homo sapiens]
Official Symbol	TLR2
Synonyms	TLR2; toll-like receptor 2; CD282; TIL4; toll/interleukin 1 receptor-like 4; toll/interleukin-1 receptor-like protein 4;
Gene ID	7097
mRNA Refseq	NM_003264
Protein Refseq	NP_003255
MIM	603028

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UniProt ID	O60603
Chromosome Location	4q32
Pathway	Activated TLR4 signalling, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Beta defensins, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Defensins, organism-specific biosystem;
Function	Gram-positive bacterial cell surface binding; lipopolysaccharide receptor activity; pattern recognition receptor activity; peptidoglycan binding; protein binding; protein heterodimerization activity; receptor activity; transmembrane signaling receptor activity; triacyl lipopeptide binding;

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