

Product Information

MemDX™ Membrane Protein Human TLR1 (Toll like receptor 1) for Antibody Discovery

Cat. No.: **MP1364X**

This product is for research use only and is not intended for diagnostic use.

This product is a 116.7 kDa Human TLR1 membrane protein expressed in *In vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

TLR1

Protein Length

Full-length

Molecular Weight

116.7 kDa

TMD

1

Sequence

MTSIFHFALIFMLILQIRIQLSESEFLVDRSKNGLIHVPKDLSQKTTILNISQNYISELWTSDILSLSKLRILIIISHNRIQYLDISVFKFNQEL

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Protein Format

Liposome

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

TLR1

Full Name

Toll like receptor 1

Introduction

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 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. The various TLRs exhibit different patterns of expression. This gene is ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene.

Alternative Names

TIL; CD281; rsc786; TIL. LPRS5; toll-like receptor 1; toll/interleukin-1 receptor-like protein

Gene ID

[7096](#)

UniProt ID

[Q15399](#)