

Product Information

MemDX™ Membrane Protein Human TLR8 (Toll like receptor 8) expressed in *In vitro* wheat germ expression system for Antibody Discovery

Cat. No.: **MP1371X**

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

This product is a 146.2 kDa Human TLR8 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

TLR8

Protein Length

Full-length

Molecular Weight

146.2 kDa

TMD

1

Sequence

MENMFLQSSMLTCIFLLISGSCELCAEENFSRSYPCDEKKQNDSVIAECNSRRLQEVPQTVGKYVTELSDLSDNFITHITNESFQGLQM

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

TLR8

Full Name

Toll like receptor 8

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 predominantly expressed in lung and peripheral blood leukocytes, and lies in close proximity to another family member, TLR7, on chromosome X.

Alternative Names

CD288; toll-like receptor 8

Gene ID

[51311](#)

UniProt ID

[Q9NR97](#)