

Product Information

MemDX™ Membrane Protein Human CD247 (CD247 molecule expressed in *in vitro* wheat germ expression system) for Antibody Discovery

Cat. No.: **MP0194X**

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

This product is a 43.78 kDa Human CD247 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

CD247

Protein Length

Full-length

Molecular Weight

43.78 kDa

TMD

1

Sequence

MKWKALFTAAILQAQLPITEAQSFGLDPKLCYLLDGILFIYGVILTALFLRVKFSRSADAPAYQQGQNQLYNELNLGRREEYDVLDKFR

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

Form

Liquid

Purification

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

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

Target**Target Protein**

CD247

Full Name

CD247 molecule

Introduction

The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene

Alternative Names

CD3-ZETA; CD3H; CD3Q; CD3Z; T3Z; TCRZ; CD247 antigen, zeta subunit; CD3Z antigen, zeta polypeptide (TiT3 complex); OTTHUMP00000032544; T-cell antigen receptor complex, zeta subunit of CD3; T-cell receptor T3 zeta chain; T-cell receptor zeta chain; T-cell surface glycoprotein CD3 zeta chain

Gene ID

[919](#)

UniProt ID

[P20963](#)