

Product Information

MemDX™ Antibody Discovery - Human TIM-3 / HAVCR2 (22-200) Membrane Protein, Partial, -Avi -His tag, [Biotin]

Cat. No.: **MP0447F**

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

This membrane protein is Human TIM-3 / HAVCR2 (22-200). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

TIM-3 / HAVCR2

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 23.1 kDa. The protein migrates as 40-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Ser 22 - Arg 200 (Accession # Q8TDQ0-1).

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA

Expression Systems

HEK293

Tag

Avi tag at the C-terminus, followed by a His tag.

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Conjugation

Biotin

Purity

>90% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

Target

Target Protein

TIM-3 / HAVCR2

Full Name

hepatitis A virus cellular receptor 2

Introduction

The protein encoded by this gene belongs to the immunoglobulin superfamily, and TIM family of proteins. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas, Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. This protein is a Th1-specific cell surface protein that regulates macrophage activation, and inhibits Th1-mediated auto- and alloimmune responses, and promotes immunological tolerance.

Alternative Names

HAVCR2, TIM3; CD366; KIM-3; SPTCL; TIMD3; Tim-3; TIMD-3; HAVcr-2; hepatitis A virus cellular receptor 2; T cell immunoglobulin mucin 3; T-cell immunoglobulin and mucin domain-containing protein 3; T-cell immunoglobulin mucin family member 3; T-cell immunoglobulin mucin receptor 3; T-cell membrane protein 3; kidney injury molecule-3TIM3, TIMD3, FLJ14428, KIM3

Gene ID

[84868](#)

UniProt ID

[Q8TDQ0](#)