

Human CellExp HAVCR1 / KIM1 / TIM1, human recombinant protein
HAVCR1, HAVCR, HAVCR-1, KIM-1, KIM1, TIM, TIM-1, TIM1, TIMD-1, TIMD1, Hepatitis A
virus cellular rec
Catalog # PBV11115r

Specification

Human CellExp HAVCR1 / KIM1 / TIM1, human recombinant protein - Product info

Primary Accession
Calculated MW

[Q96D42](#)

This protein contains a poly histidine tag at C-terminus and has a calculated MW of 31.3 kDa after removal of signal peptide. In DTT-reduced SDS-PAGE, rhHAVCR1 protein migrates as 80-100 kDa poly peptide due to high glycosylation. kDa

Human CellExp HAVCR1 / KIM1 / TIM1, human recombinant protein - Additional Info

Gene ID
Gene Symbol
Other Names

26762
HAVCR1

HAVCR1, HAVCR, HAVCR-1, KIM-1, KIM1, TIM, TIM-1, TIM1, TIMD-1, TIMD1, Hepatitis A virus cellular receptor 1

Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥90%
N/A;
Yes
Measured by its ability to inhibit anti-CD3 induced proliferation of stimulated human T cells. Human T lymphocytes cultured for 72 hours with PHA were incubated for an additional 3 days in 96 well plates coated with 500 ng/ml anti-CD3 and rhTIM1. The ED50 for this effect is typically 0.15-1.0 µg/ml.

Target/Specificity
HAVCR1 / KIM1 / TIM1

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized

Storage
-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp HAVCR1 / KIM1 / TIM1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp HAVCR1 / KIM1 / TIM1, human recombinant protein - Images**Human CellExp HAVCR1 / KIM1 / TIM1, human recombinant protein - Background**

Hepatitis A virus cellular receptor 1 also known as HAVCR1, HAVCR, KIM1, TIM, TIM1, TIMD1, is widely expressed with highest levels in kidney and testis. The protein encoded by HAVCR1 gene is a membrane receptor for both human hepatitis A virus (HHAV) and TIMD4. The encoded protein may be involved in the moderation of asthma and allergic diseases. The reference genome represents an allele that retains a MTTVP amino acid segment that confers protection against atopy in HHAV seropositive individuals. Three transcript variants encoding the same protein have been found for this gene. HAVCR1 may play a role in T-helper cell development, the regulation of asthma and allergic diseases and in kidney injury and repair. In case of human hepatitis A virus (HHAV) infection, functions as a cell-surface receptor for the virus.

Human CellExp HAVCR1 / KIM1 / TIM1, human recombinant protein - References

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Schmutz J., et al. Nature 431:268-274(2004).
Tami C., et al. J. Virol. 81:3437-3446(2007).
van Timmeren M.M., et al. J. Pathol. 212:209-217(2007).