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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	Q96D42
Calculated MW	**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	**26762**
Gene Symbol	**HAVCR1**

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

Gene Source	**Human**
Source	**HEK293 cells**
Assay&Purity	**SDS-PAGE; ≥90%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**
Results	**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.

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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 Cytomety
- 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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