

HAVCR1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP14030a**Specification**

HAVCR1 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q96D42](#)**HAVCR1 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 26762**Other Names**

Hepatitis A virus cellular receptor 1, HAVcr-1, Kidney injury molecule 1, KIM-1, T-cell immunoglobulin and mucin domain-containing protein 1, TIMD-1, T-cell immunoglobulin mucin receptor 1, TIM, TIM-1, T-cell membrane protein 1, HAVCR1, KIM1, TIM1, TIMD1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14030a was selected from the N-term region of HAVCR1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HAVCR1 Antibody (N-term) Blocking peptide - Protein Information**Name** HAVCR1**Synonyms** KIM1, TIM1, TIMD1**Function**

Phosphatidylserine receptor that plays an important functional role in regulatory B-cells homeostasis including generation, expansion and suppressor functions (By similarity). As P-selectin/SELPLG ligand, plays a specialized role in activated but not naive T-cell trafficking during inflammatory responses (PubMed:24703780). Controls thereby T-cell accumulation in the inflamed central nervous system (CNS) and the induction of autoimmune disease (PubMed:24703780). Regulates also expression of various anti-inflammatory cytokines and co-inhibitory ligands including IL10 (By similarity). Acts as a regulator of T-cell proliferation (By similarity). May play a role in kidney injury

and repair (PubMed:17471468).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Widely expressed, with highest levels in kidney and testis. Expressed by activated CD4+ T-cells during the development of helper T-cells responses.

HAVCR1 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HAVCR1 Antibody (N-term) Blocking peptide - Images**HAVCR1 Antibody (N-term) Blocking peptide - Background**

The protein encoded by this 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. [provided by RefSeq].

HAVCR1 Antibody (N-term) Blocking peptide - References

Fontaine-Bisson, B., et al. Diabetologia 53(10):2155-2162(2010) Garcia-Lozano, J.R., et al. Hum. Genet. 128(2):221-229(2010) Wichukchinda, N., et al. AIDS 24(11):1625-1631(2010) Huo, W., et al. Transplant Rev (Orlando) 24(3):143-146(2010) Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)