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

Specification

HAVCR1 Antibody (N-term) Blocking peptide - Product Information

Primary 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 receptorfor both human hepatitis A virus (HHAV) and TIMD4. The encodedprotein may be involved in the moderation of asthma and allergicdiseases. The reference genome represents an allele that retains aMTTVP amino acid segment that confers protection against atopy inHHAV seropositive individuals. Three transcript variants encodingthe same protein have been found for this gene. [provided byRefSeq].

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)