



# Rabbit Anti-Canine TIM-1/KIM-1 monoclonal antibody, clone S410 (CABT-ZB568)

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

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Canine TIM-1/KIM-1
<b>Target</b>	HAVCR1
<b>Immunogen</b>	Recombinant Canine TIM-1/KIM-1/HACVR Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Canine
<b>Clone</b>	S410
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB568 - CABT-ZB924 This antibody will detect TIM-1/KIM-1 in antibody pair set. [ABPR-ZB145]
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, recombinant Canine TIM-1 / KIM-1 / HACVR.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 1 mL

<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction** HAV cellular receptor 1 (HAVCR1), also known as Kidney injury molecule 1 (KIM-1) and T cell immunoglobulin mucin 1 (TIM-1), is a type of integral membrane glycoprotein. KIM-1 protein is widely expressed with the highest levels in the kidney and testis. It has been shown to play a major role as a human susceptibility gene for asthma, allergy, and autoimmunity. IgA1lambda is a specific ligand of KIM-1 protein and that their association has a synergistic effect in virus-receptor interactions. KIM-1 involves in the pathogenesis of acute kidney injury. It had been confirmed that KIM-1 is a human urinary renal dysfunction biomarker. Moreover, KIM-1 protein is a novel regulatory molecule of flow-induced calcium signaling.

**Keywords** HAVCR1; hepatitis A virus cellular receptor 1; TIM; KIM1

## GENE INFORMATION

**Synonyms** HAVCR1; hepatitis A virus cellular receptor 1; TIM; KIM1; TIM1; HAVCR; KIM-1; TIM-1; TIMD1; TIMD-1; HAVCR-1; kidney injury molecule 1; T-cell membrane protein 1; T-cell immunoglobulin mucin receptor 1; T-cell immunoglobulin mucin family member 1; T cell immunoglobulin domain and mucin domain protein 1; ARD5