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TIM-1 Polyclonal Antibody

Catalog # AP74071

Product Information

Application	IHC-P
Primary Accession	Q96D42
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39250

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 membrane protein 1) (TIM-1) (TIM)
Dilution	IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

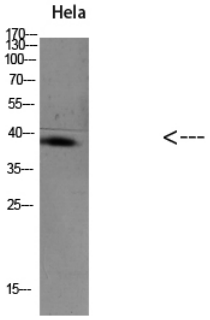
Name	HAVCR1
Synonyms	KIM1, TIM1, TIMD1
Function	Phosphatidylserine receptor that plays an important functional role in regulatory B-cell homeostasis including generation, expansion and suppressor functions (PubMed:18082433, PubMed:18414680). Involved in efferocytosis, the process by which apoptotic cells are removed, by binding to phosphatidylserine present on apoptotic cells and promoting their engulfment (PubMed:18082433). Confers phagocytic ability on injured kidney epithelial cells, allowing them to bind to and internalize apoptotic bodies and necrotic debris following kidney injury (PubMed:17471468, PubMed:18414680). The ectodomain binds to the surface of apoptotic kidney epithelial cells via phosphatidylserine and oxidized phospholipids exposed on the cell membrane of the apoptotic cells (PubMed:18414680). HAVCR1-expressing cells are also capable of phagocytosing Gram-negative and Gram-positive bacteria (PubMed:18414680). 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). Acts as a regulator of T-cell proliferation (By similarity). Also regulates expression of various anti-inflammatory cytokines and co-inhibitory ligands including IL10 (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell projection, phagocytic cup. Cytoplasmic vesicle, phagosome
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.

Background

May play a role in T-helper cell development and the regulation of asthma and allergic diseases. Receptor for TIMD4 (By similarity). May play a role in kidney injury and repair.

Images



Western blot analysis of KB Hela 293T mouse-brain lysate, antibody was diluted at 1000. Secondary antibody was diluted at 1:20000

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