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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-TIM 1/HAVCR1 Antibody Picoband® APC Conjugated

Catalog Number: RP1093-APC

About HAVCR1

KIM1 (KIDNEY INJURY MOLECULE 1), also known as HAVCR1, HAVCR or TIM1, is a protein that in humans is encoded by the KIM1 gene. The KIM1 gene is mapped to 5q33.3. Biochemical, mutational, and cell adhesion analyses confirm that Tim1 is capable of homophilic Tim-Tim interactions. The features identified in murine KIM1 are conserved in human KIM1. The KIM1 protein is indeed a receptor for the virus through the infection of canine osteogenic sarcoma cells expressing HAVCR1 with HAV. Using a monoclonal antibody to mouse Tim1, Tim1 is expressed after activation of naive T cells and on T cells differentiated in Th2-polarizing conditions. Ectopic expression of KIM1 during mouse T-cell differentiation leads to production of the Th2-type cytokine Il4, but not the Th1-type cytokine Ifng. KIM1-expressing epithelial cells internalized apoptotic bodies, and Kim1 is directly responsible for phagocytosis in cultured primary rat tubule epithelial cells and in porcine and canine epithelial cell lines.

Overview

Product Name	Anti-TIM 1/HAVCR1 Antibody Picoband® APC Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q96D42

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TIM 1.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm

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Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 32119183, Liu Y,Feng Q,Miao J,Wu Q,Zhou S,Shen W,Feng Y,Hou FF,Liu Y,Zhou L.C-X-C motif chemokine receptor 4 aggravates renal fibrosis through activating JAK/STAT/GSK3beta/beta-catenin pathway.J Cell Mol Med.2020 Apr;24(7):3837-3855.doi:10.1111/jcmm.14973.Epub 2020 Mar 2.PMID:32119183;PMCID:PMC7171406.

Visit bosterbio.com/anti-tim-1-antibody-rp1093-boster.html to see all 1 publications.

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For Research Use Only. Not for use in diagnostic procedures.