BOSTER BIOLOGICAL TECHNOLOGY
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Anti-KIM-1/HAVCR1 Antibody (Monoclonal, 35H12)

Catalog Number: M01306-1

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.

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Overview

Product Name	Anti-KIM-1/HAVCR1 Antibody (Monoclonal, 35H12)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-KIM-1/HAVCR1 Antibody (Monoclonal, 35H12) catalog # M01306-1. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Monoclonal 35H12
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q96D42

Technical Details

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Immunogen	Synthetic peptide within Human TIM 1 aa 53-98.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

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