

ARG63927 anti-TIM3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes TIM3
Tested Reactivity	Hu
Predict Reactivity	Dog
Tested Application	FACS, ICC/IF, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	TIM3
Species	Human
Immunogen	C-KWYSHSKEIQN
Conjugation	Un-conjugated
Alternate Names	KIM-3; TIM3; TIMD-3; Tim-3; TIM-3; CD366; T-cell immunoglobulin and mucin domain-containing protein 3; TIMD3; T-cell membrane protein 3; HAVcr-2; T-cell immunoglobulin mucin receptor 3; Hepatitis A virus cellular receptor 2

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

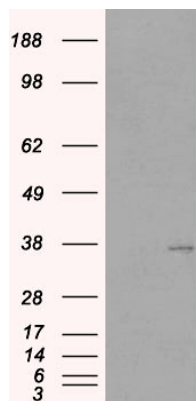
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

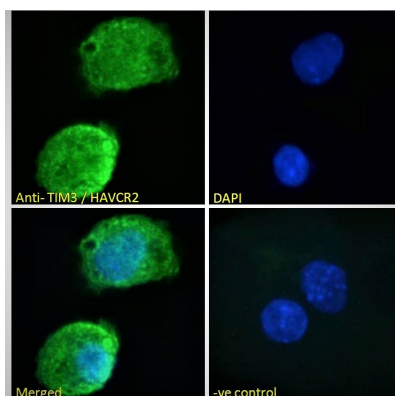
Database links	GeneID: 84868 Human Swiss-port # Q8TDQ0 Human
Gene Symbol	HAVCR2
Background	The protein encoded by this gene belongs to the immunoglobulin superfamily, and TIM family of proteins. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas, Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. This protein is a Th1-specific cell surface protein that regulates macrophage activation, and inhibits Th1-mediated auto- and alloimmune responses, and promotes immunological tolerance. [provided by RefSeq, Sep 2011]
Research Area	Immune System antibody
Calculated Mw	33 kDa
PTM	O-glycosylated with core 1 or possibly core 8 glycans. Phosphorylated on tyrosine residues; modestly increased after TCR/CD28 stimulation. Can be phosphorylated in the cytoplasmatic domain by FYN (By similarity). Phosphorylation at Tyr-265 is increased by stimulation with ligand LGALS9.

Images



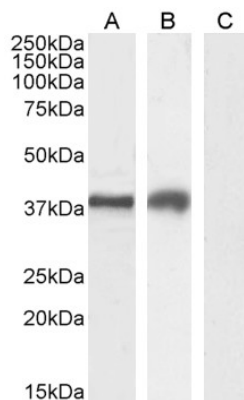
ARG63927 anti-TIM3 antibody WB image

Western blot: 1). Mock transfection; 2) HAVCR2 (RC209440) expressing plasmid transfected HEK293 cell lysate stained with ARG63927 anti-TIM3 antibody.



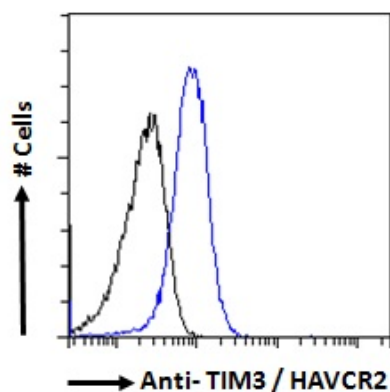
ARG63927 anti-TIM3 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HepG2 cells permeabilized with 0.15% Triton. Cells were stained with ARG63927 anti-TIM3 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



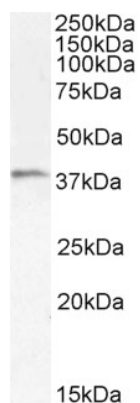
ARG63927 anti-TIM3 antibody WB image

Western blot: 35 μ g of Jurkat (A), MOLT-4 (B) and A431 (C, negative control) cell lysates (in RIPA buffer) stained with ARG63927 anti-TIM3 antibody at 2 μ g/ml dilution and incubated at RT for 1 hour.



ARG63927 anti-TIM3 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HepG2 cells permeabilized with 0.5% Triton. Cells were stained with ARG63927 anti-TIM3 antibody (blue line) at 10 μ g/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



ARG63927 anti-TIM3 antibody WB image

Western blot: 35 μ g of Human tonsil lysate (in RIPA buffer) stained with ARG63927 anti-TIM3 antibody at 1 μ g/ml dilution and incubated at RT for 1 hour.