

Product datasheet for CF812559

OriGene Technologies, Inc.

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TIM 3 (HAVCR2) Mouse Monoclonal Antibody [Clone ID: OTI2E5]

Product data:

Product Type: Primary Antibodies

Clone Name: OTI2E5
Applications: FC, WB

Recommended Dilution: WB 1:2000, FLOW 1:100

Reactivity: Human
Host: Mouse
Isotype: IgG2b

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human HAVCR2 (NP_116171) produced in

HEK293T cell.

Formulation: Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)

Reconstitution Method: For reconstitution, we recommend adding 100uL distilled water to a final antibody

concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)

Purification: Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 33.2 kDa

Gene Name: hepatitis A virus cellular receptor 2

Database Link: NP 116171

Entrez Gene 84868 Human

Q8TDQ0





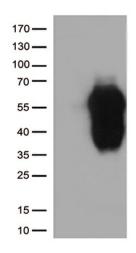
Background:

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]

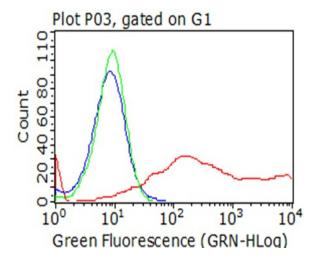
Synonyms: CD366; HAVcr-2; KIM-3; SPTCL; Tim-3; TIM3; TIMD-3; TIMD3

Protein Families: Druggable Genome, Transmembrane

Product images:

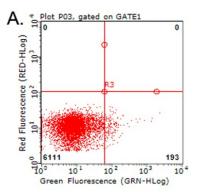


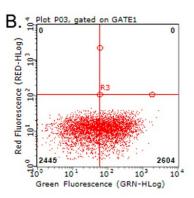
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HAVCR2 ([RC209440], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HAVCR. Positive lysates [LY403200] (100ug) and [LC403200] (20ug) can be purchased separately from OriGene.



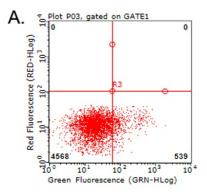
Flow cytometric analysis of living 293T cells transfected with HAVCR2 overexpression plasmid ([RC209440]), Red)/empty vector ([PS100001], Blue) using anti-HAVCR2 antibody ([TA812559]). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).

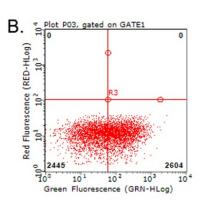






Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right)/untreated (Left) using anti-HAVCR2 antibody ([TA812559]) (1:100).





Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right) using anti-HAVCR2 antibody ([TA812559]). Cells incubated with a non-specific antibody (Left) were used as isotype control (1:100).