

Product datasheet for **CF812578**

TIM 3 (HAVCR2) Mouse Monoclonal Antibody [Clone ID: OTI13A8]

Product data:

| | |
|--------------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI13A8 |
| Applications: | FC, WB |
| Recommended Dilution: | WB 1:500, FLOW 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| 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 |



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Background:

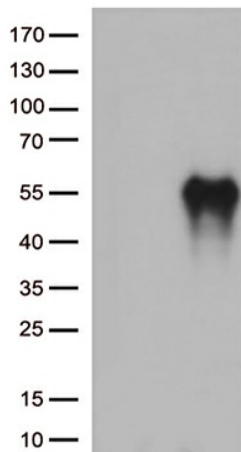
The protein encoded by this gene belongs to the immunoglobulin superfamily, and TIM family of proteins. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells are involved in cell-mediated immunity to intracellular 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:

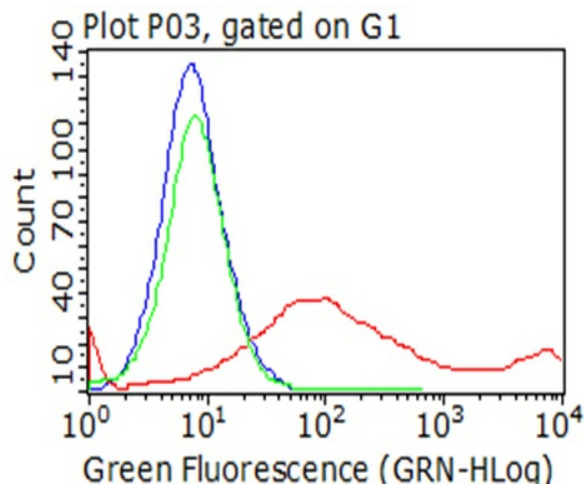
CD366; HAVcr-2; KIM-3; SPTCL; Tim-3; TIM3; TIMD-3; TIMD3

Protein Families:

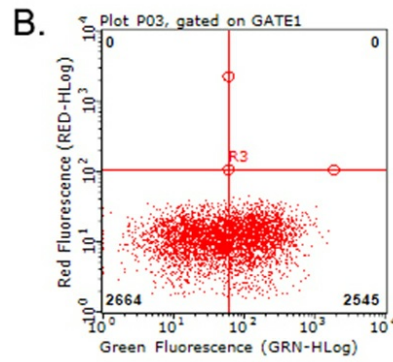
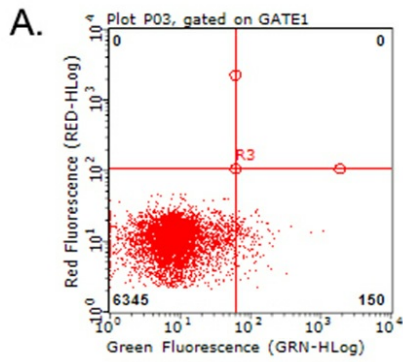
Druggable Genome, Transmembrane

Product images:


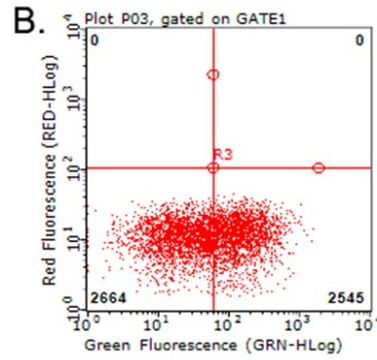
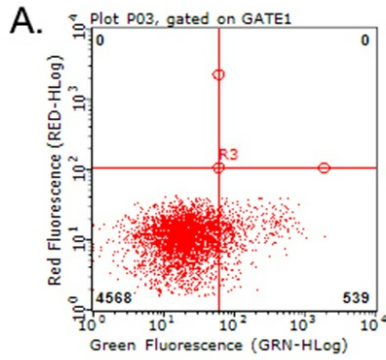
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HAVCR2 ([RC209440], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HAVCR. Positive lysates [LY403200] (100ug) and [LC403200] (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 ([TA812578]). 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 ([TA812578]) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right) using anti-HAVCR2 antibody ([TA812578]). Cells incubated with a non-specific antibody (Left) were used as isotype control (1:100).