

## Product datasheet for **TA812562AM**

### **TIM 3 (HAVCR2) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2B9]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2B9
<b>Applications:</b>	FC, WB
<b>Recommended Dilution:</b>	WB 1:500, FLOW 1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human HAVCR2 (NP_116171) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	33.2 kDa
<b>Gene Name:</b>	hepatitis A virus cellular receptor 2
<b>Database Link:</b>	<a href="#">NP_116171</a> <a href="#">Entrez Gene 84868 Human</a> <a href="#">Q8TDQ0</a>



[View online »](#)

**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]

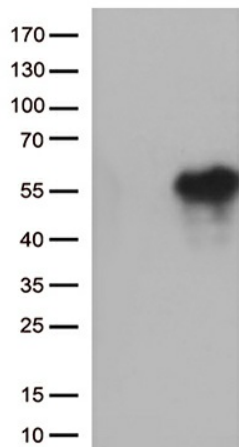
**Synonyms:**

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

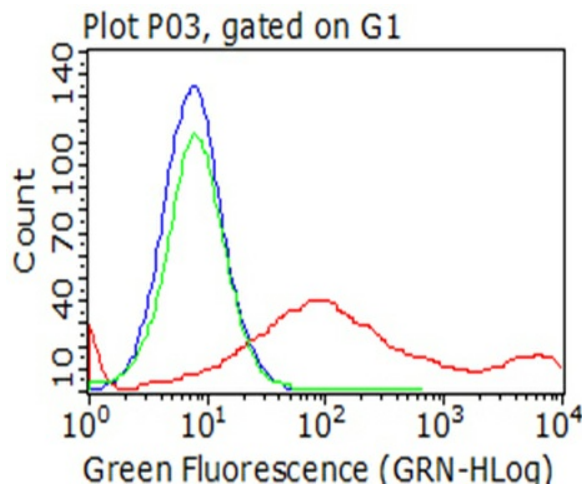
**Protein Families:**

Druggable Genome, Transmembrane

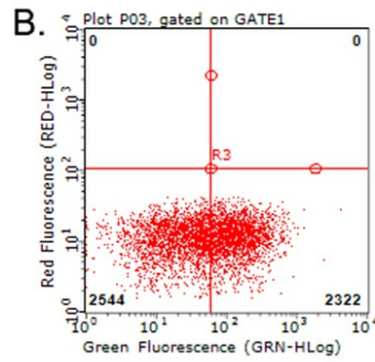
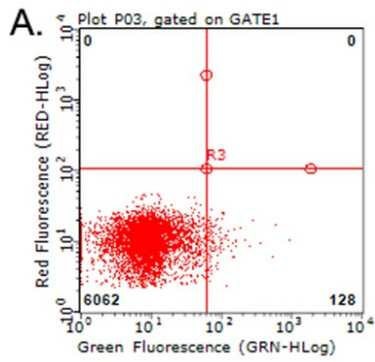
**Product images:**



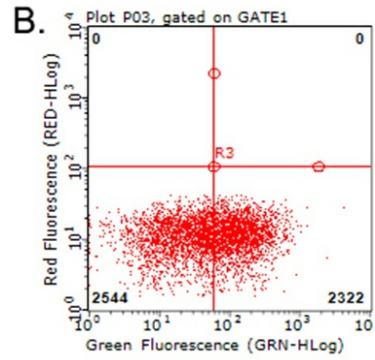
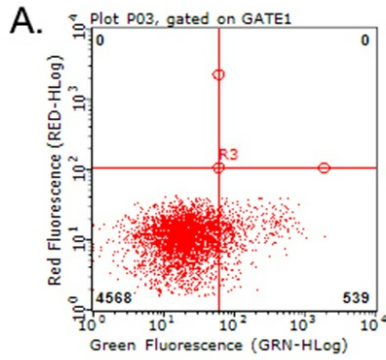
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HAVCR2 ([RC209440], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HAVCR. Positive lysates [LY403200] (100ug) and [LC403200] (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 ([TA812562]). 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 ([TA812562]) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right) using anti-HAVCR2 antibody ([TA812562]). Cells incubated with a non-specific antibody (Left) were used as isotype control (1:100).