

Human TIM-3/HAVCR2 ELISA Kit | TIM-3/HAVCR2 elisa kit

Human TIM-3/HAVCR2 ELISA Kit

CATALOG #
AAA258359

REACTIVITY
Human

PRODUCT SYNONYMS

TIM-3/HAVCR2; Human TIM-3/HAVCR2 ELISA Kit; TIM-3 ELISA Kit; Human; hepatitis A virus cellular receptor 2; CD366 ELISA Kit; HAVcr-2 ELISA Kit; HAVCR2 ELISA Kit; KIM-3 ELISA Kit; Tim-3 ELISA Kit; TIM3 ELISA Kit; TIMD-3 ELISA Kit; TIMD3 ELISA Kit; TIM-3/HAVCR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human TIM-3/HAVCR2 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	39.06-2500pg/mL
Sensitivity	16.5pg/mL
Conjugation	HRP
Interference	Preparations of GST-Xa-Ab1/42 at 20ng/mL in a mid-range recombinant human TIMD3 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

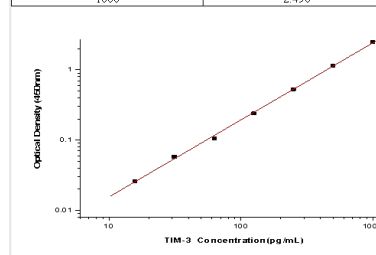
IMAGES

Recombinant human			
IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6
IFN- γ	MIP-1 β	TIMP-1	TIMP-2
GM-CSF	SCF	PDGF	VEGF
TIMD4	KIMI	GST-Xa-Ab1/42	
Recombinant mouse			
HAVCR2			
Recombinant Cynomolgus			
TIM3-Fc			

Application Data

This assay recognizes both recombinant and natural Human TIMD3. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
15.63	0.026
31.25	0.058
62.5	0.106
125	0.240
250	0.530
500	1.149
1000	2.490



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for TIM-3/HAVCR2 elisa kit	This TIM-3 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human TIM-3 protein in Serum. It contains recombinant Human TIM-3, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Hepatitis A virus cellular receptor 2 (HAVCR2), formerly known as T cell immunoglobulin and mucin domain-3 (TIM-3), is a transmembrane glycoprotein expressed on the surface of terminally differentiated Th1 cells but not on Th2 cells. It was the first surface molecule that specifically identifies Th1 cells in both the mouse and human. Recently, the identification of Galectin-9 as a ligand for TIM-3 has established the TIM-3-Galectin-9 pathway as an important regulator of Th1 immunity and tolerance induction. Engagement of Tim-3 by its ligand galectin-9 negatively regulates IFN-gamma secretion and influences the ability to induce T cell tolerance in both mice and man. It suggests a novel paradigm in which dysregulation of the TIM-3-galectin-9 pathway could underlie chronic autoimmune disease states, such as multiple sclerosis. Recent work has explored the role of TIM-3 in systemic lupus erythematosus (SLE), and their results indicate that TIM-3 may represent a novel target for the treatment of SLE. Numerous studies have demonstrated that Tim-3 influences autoimmune diseases, including diabetes and multiple sclerosis, and its role in other inflammatory diseases including allergies and cancer is beginning to become clear. In the tumor rejection model, the soluble form of Tim-3 (sTim-3) significantly impaired T cell antitumor immunity, evidenced by decreased antitumor CTL activity and reduced amount of tumor-infiltrating lymphocytes in the tumor. sTim-3 as an immunoregulatory molecule that may be involved in the negative regulation of T cell-mediated immune response.
References	Geng H, et al. (2006) Soluble form of T cell Ig mucin 3 is an inhibitory molecule in T cell-mediated immune response. J Immunol. 176(3): 1411-20. Anderson AC, et al. (2006) TIM-3 in autoimmunity. Curr Opin Immunol. 18(6): 665-9. Anderson DE. (2007) TIM-3 as a therapeutic target in human inflammatory diseases. Expert Opin Ther Targets. 11(8): 1005-9. Pan HF, et al. (2010) TIM-3 as a new therapeutic target in systemic lupus erythematosus. Mol Biol Rep. 37(1): 395-8.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.