

ARG81989 Human TIM3 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81989-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81989-002	Standard	2 X 10 ng/vial	4°C
ARG81989-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81989-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81989-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81989-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81989-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81989-008	25X Wash buffer	20 ml	4°C
ARG81989-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81989-010	STOP solution	10 ml (Ready to use)	4°C
ARG81989-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81989 Human TIM3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TIM3 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TIM3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.4%; Inter-Assay CV: 6.1%
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

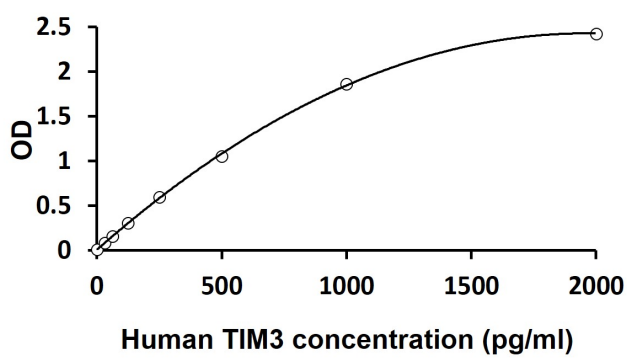
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HAVCR2
Gene Full Name	hepatitis A virus cellular receptor 2
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]
Function	Regulates macrophage activation. Inhibits T-helper type 1 lymphocyte (Th1)-mediated auto- and alloimmune responses and promotes immunological tolerance. May be also involved in T-cell homing. Receptor for LGALS9. [UniProt]
Highlight	Related products: TIM3 antibodies ; TIM3 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
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. [UniProt]



ARG81989 Human TIM3 ELISA Kit standard curve image

ARG81989 Human TIM3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.