

ARG81771 Rat TIM1 / KIM1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81771-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81771-002	Standard	2 X 10 ng/vial	4°C
ARG81771-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81771-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81771-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81771-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81771-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81771-008	25X Wash buffer	20 ml	4°C
ARG81771-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81771-010	STOP solution	10 ml (Ready to use)	4°C
ARG81771-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81771 Rat TIM1 / KIM1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat TIM1 / KIM1 in serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TIM1 / KIM1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.1%; Inter-Assay CV: 6.9%
Alternate Names	KIM-1; TIM1; TIM-1; TIMD-1; HAVcr-1; KIM1; HAVCR; TIMD1; CD365; T-cell immunoglobulin and mucin domain-containing protein 1; TIM; HAVCR-1; T-cell immunoglobulin mucin receptor 1; T-cell membrane protein 1; Kidney injury molecule 1; Hepatitis A virus cellular receptor 1

Application Instructions

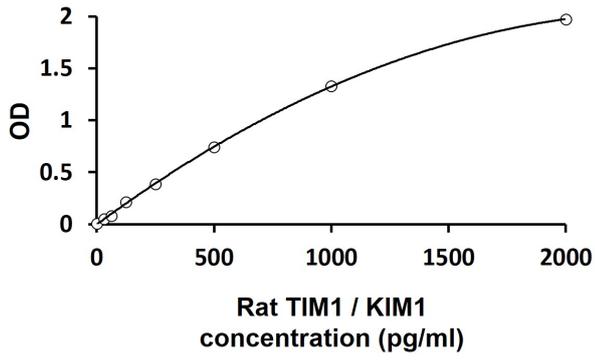
Assay Time	~ 5 hours
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Properties

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	HAVCR1
Gene Full Name	hepatitis A virus cellular receptor 1
Background	The protein encoded by this gene is a membrane receptor for both human hepatitis A virus (HHAV) and TIMD4. The encoded protein may be involved in the moderation of asthma and allergic diseases. The reference genome represents an allele that retains a MTTVP amino acid segment that confers protection against atopy in HHAV seropositive individuals. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 4, 12 and 19. [provided by RefSeq, Apr 2015]
Function	May play a role in T-helper cell development and the regulation of asthma and allergic diseases. Receptor for TIMD4 (By similarity). In case of human hepatitis A virus (HHAV) infection, functions as a cell-surface receptor for the virus. May play a role in kidney injury and repair. [UniProt]
Highlight	Related products: TIM1 antibodies ; TIM1 ELISA Kits ; TIM1 Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81771 Rat TIM1 / KIM1 ELISA Kit standard curve image

ARG81771 Rat TIM1 / KIM1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.