

ARG82361 Human TREM1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82361-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82361-002	Standard	2 X 10 ng/vial	4°C
ARG82361-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82361-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82361-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82361-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82361-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82361-008	25X Wash buffer	20 ml	4°C
ARG82361-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82361-010	STOP solution	10 ml (Ready to use)	4°C
ARG82361-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82361 Human TREM1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TREM1 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	TREM1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.2% Inter-Assay CV: 6.5%

Alternate Names	TREM-1; CD antigen CD354; CD354; Triggering receptor expressed on monocytes 1; Triggering receptor expressed on myeloid cells 1
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Application Instructions

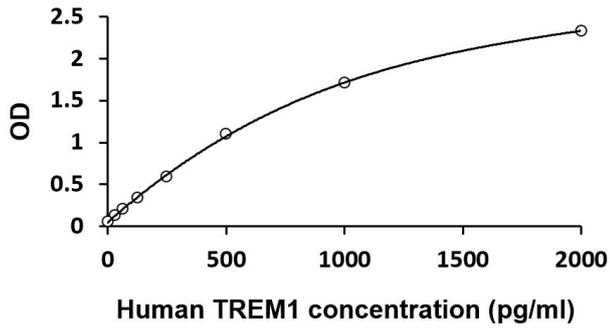
Assay Time	~ 5 hours
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Properties

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	TREM1
Gene Full Name	triggering receptor expressed on myeloid cells 1
Background	This gene encodes a receptor belonging to the Ig superfamily that is expressed on myeloid cells. This protein amplifies neutrophil and monocyte-mediated inflammatory responses triggered by bacterial and fungal infections by stimulating release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011]
Function	Stimulates neutrophil and monocyte-mediated inflammatory responses. Triggers release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Amplifier of inflammatory responses that are triggered by bacterial and fungal infections and is a crucial mediator of septic shock. [UniProt]
Highlight	Related products: TREM antibodies ; TREM ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Glycosylated. [UniProt]
Cellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted. [UniProt]



ARG82361 Human TREM1 ELISA Kit standard curve image

ARG82361 Human TREM1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.