

ARG81633 Human TREM2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81633-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81633-002	Standard	2 X 10 ng/vial	4°C
ARG81633-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81633-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81633-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81633-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81633-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81633-008	25X Wash buffer	20 ml	4°C
ARG81633-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81633-010	STOP solution	10 ml (Ready to use)	4°C
ARG81633-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81633 Human TREM2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TREM2 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	TREM2
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: 4.4% Inter-Assay CV: 5.2%

Alternate Names Trem2a; Trem2b; TREM-2; Triggering receptor expressed on myeloid cells 2; Triggering receptor expressed on monocytes 2; Trem2c

Application Instructions

Assay Time ~ 5 hours

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 TREM2

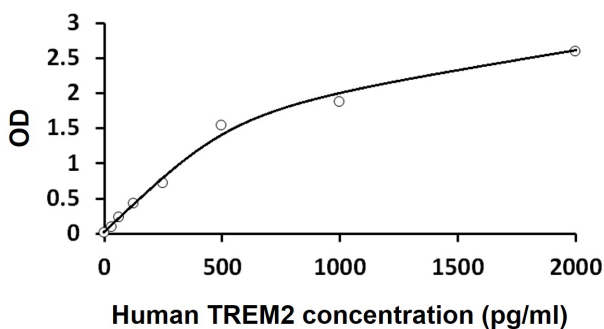
Gene Full Name triggering receptor expressed on myeloid cells 2

Background This gene encodes a membrane protein that forms a receptor signaling complex with the TYRO protein tyrosine kinase binding protein. The encoded protein functions in immune response and may be involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in this gene are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Nov 2012]

Function May have a role in chronic inflammations and may stimulate production of constitutive rather than inflammatory chemokines and cytokines. Forms a receptor signaling complex with TYROBP and triggers activation of the immune responses in macrophages and dendritic cells. [UniProt]

Highlight Related products:
[TREM antibodies](#); [TREM ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Images



ARG81633 Human TREM2 ELISA Kit standard curve image

ARG81633 Human TREM2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.