

ARG81422 Human TNF Receptor II ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81422-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81422-002	Standard	2 X 10 ng/vial	4°C
ARG81422-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81422-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81422-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81422-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81422-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81422-008	25X Wash buffer	20 ml	4°C
ARG81422-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81422-010	STOP solution	10 ml (Ready to use)	4°C
ARG81422-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81422 Human TNF Receptor II ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TNF Receptor II in serum, plasma (heparin, EDTA, citrate), urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TNFR2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3.9 pg/ml
Sample Type	Serum, plasma (heparin, EDTA, citrate), urine and cell culture supernatants.
Standard Range	7.8 - 500 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.6% Inter-Assay CV: 6.3%
Alternate Names	TNFR1B; CD antigen CD120b; p75; CD120b; p75TNFR; TNF-R-II; TNFBR; TBPII; TNFR80; TBP-2; TNFR2; Tumor necrosis factor receptor 2; Tumor necrosis factor receptor type II; Etanercept; Tumor necrosis factor receptor superfamily member 1B; TNFR-II; TNF-R75; TNF-R2; TNF-RII; p80 TNF-alpha receptor

Application Instructions

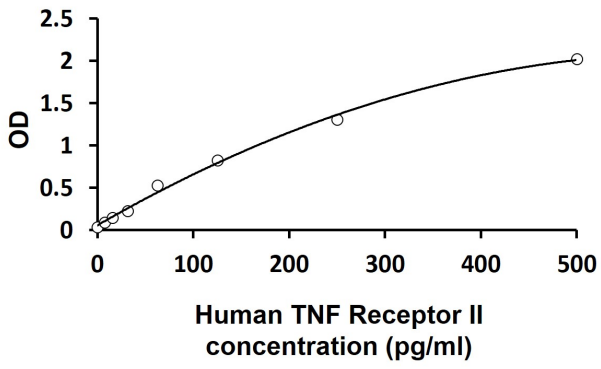
Assay Time	~ 5 hours
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Properties

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	TNFRSF1B
Gene Full Name	tumor necrosis factor receptor superfamily, member 1B
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. The function of IAPs in TNF-receptor signalling is unknown, however, c-IAP1 is thought to potentiate TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2, which mediates anti-apoptotic signals. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways. [provided by RefSeq, Jul 2008]
Function	Receptor with high affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity. [UniProt]
Highlight	Related products: TNFR antibodies ; TNFR ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Phosphorylated; mainly on serine residues and with a very low level on threonine residues. A soluble form (tumor necrosis factor binding protein 2) is produced from the membrane form by proteolytic processing. [UniProt]



ARG81422 Human TNF Receptor II ELISA Kit standard curve image

ARG81422 Human TNF Receptor II ELISA Kit results of a typical standard run with optical density reading at 450 nm.
