

ARG81421 Human CD120a / TNFR1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81421-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81421-002	Standard	2 X 10 ng/vial	4°C
ARG81421-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81421-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81421-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81421-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81421-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81421-008	25X Wash buffer	20 ml	4°C
ARG81421-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81421-010	STOP solution	10 ml (Ready to use)	4°C
ARG81421-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81421 Human CD120a / TNFR1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD120a / TNFR1 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	CD120a / TNFR1
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: 6.3% Inter-Assay CV: 6.7%
Alternate Names	TNF-R; p60; TNFAR; CD antigen CD120a; TNFR55; TBP1; TNF-RI; TNFR1-d2; Tumor necrosis factor receptor superfamily member 1A; FPF; TNFR60; CD120a; TNFR1; p55; TNF-R55; TNF-R-I; MS5; TNFR-I; Tumor necrosis factor receptor 1; TBPI; Tumor necrosis factor receptor type I; TNF-R1; p55-R

Application Instructions

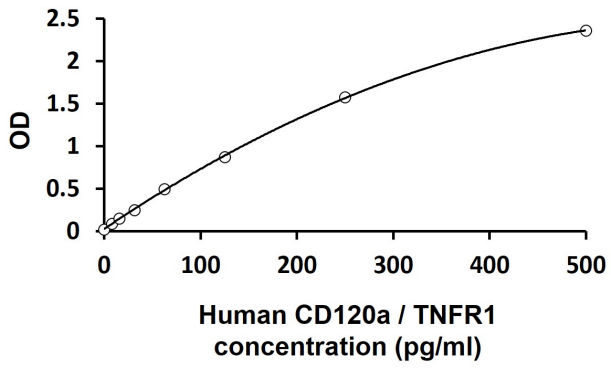
Assay Time	~ 5 hours
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Properties

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	TNFRSF1A
Gene Full Name	tumor necrosis factor receptor superfamily, member 1A
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is one of the major receptors for the tumor necrosis factor-alpha. This receptor can activate NF-kappaB, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor. Germline mutations of the extracellular domains of this receptor were found to be associated with the autosomal dominant periodic fever syndrome. The impaired receptor clearance is thought to be a mechanism of the disease. [provided by RefSeq, Jul 2008]
Function	Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase. [UniProt]
Highlight	Related products: CD120a antibodies ; CD120a ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	The soluble form is produced from the membrane form by proteolytic processing. [UniProt]



ARG81421 Human CD120a / TNFR1 ELISA Kit standard curve image

ARG81421 Human CD120a / TNFR1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.