

ARG81934 Human Klotho beta ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81934-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81934-002	Standard	2 X 10 ng/vial	4°C
ARG81934-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81934-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81934-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81934-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81934-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81934-008	25X Wash buffer	20 ml	4°C
ARG81934-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81934-010	STOP solution	10 ml (Ready to use)	4°C
ARG81934-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81934 Human Klotho beta ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Klotho beta in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Klotho beta
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.9%; Inter-Assay CV: 6.7%
Alternate Names	BKL; Klotho beta-like protein; BetaKlotho; Beta-klotho

Application Instructions

Assay Time	~ 5 hours
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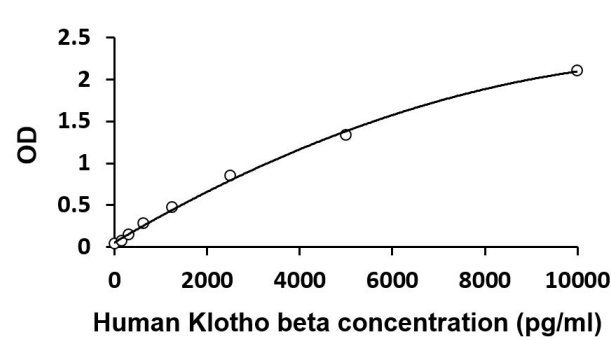
Properties

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	KLB
Gene Full Name	klotho beta
Function	Contributes to the transcriptional repression of cholesterol 7-alpha-hydroxylase (CYP7A1), the rate-limiting enzyme in bile acid synthesis. Probably inactive as a glycosidase. Increases the ability of FGFR1 and FGFR4 to bind FGF21 (By similarity). [UniProt]
Highlight	Related products: Klotho antibodies ; Klotho ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81934 Human Klotho beta ELISA Kit standard curve image

ARG81934 Human Klotho beta ELISA Kit results of a typical standard run with optical density reading at 450 nm.