

ARG82566 Human PTHR1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82566-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82566-002	Standard	2 X 10 ng/vial	4°C
ARG82566-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82566-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82566-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82566-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82566-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82566-008	25X Wash buffer	20 ml	4°C
ARG82566-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82566-010	STOP solution	10 ml (Ready to use)	4°C
ARG82566-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82566 Human PTHR1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human PTHR1 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	PTHR1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.1% Inter-Assay CV: 5.6%

Alternate Names	Parathyroid hormone/parathyroid hormone-related peptide receptor; PTH/PTHrP type I receptor; Parathyroid hormone 1 receptor; PTHR1; PTH/PTHr receptor; PFE; PTHR; PTH1 receptor
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Application Instructions

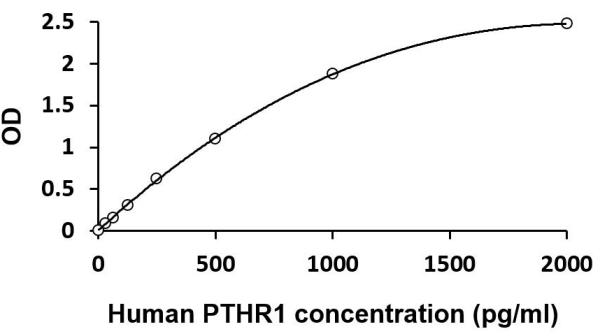
Assay Time	~ 5 hours
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Properties

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	PTH1R
Gene Full Name	parathyroid hormone 1 receptor
Background	The protein encoded by this gene is a member of the G-protein coupled receptor family 2. This protein is a receptor for parathyroid hormone (PTH) and for parathyroid hormone-like hormone (PTHrP). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. Defects in this receptor are known to be the cause of Jansen's metaphyseal chondrodysplasia (JMC), chondrodysplasia Blomstrand type (BOCD), as well as enchondromatosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, May 2010]
Function	This is a receptor for parathyroid hormone and for parathyroid hormone-related peptide. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. [UniProt]
Highlight	Related products: PTHR1 antibodies ; PTHR1 ELISA Kits ; PTHR1 Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Cell membrane; Multi-pass membrane protein. [UniProt]



ARG82566 Human PTHR1 ELISA Kit standard curve image

ARG82566 Human PTHR1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.