



Human parathyroid hormone 1-34(PTH 1-34)antibody ELISA kit

Product Code	CSB-EQ027274HU
Abbreviation	PTH 1-34 Ab
Target Name	parathyroid hormone 1-34(PTH 1-34)antibody
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma
Detection Range	Request Information
Sensitivity	Request Information
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Others
Quality Control	A microplate reader capable of measuring absorbance at 450 nm, with the correction wavelength set at 540 nm or 570 nm. An incubator that can provide stable incubation conditions up to 37°C±5° Centrifuge Vortex Squirt bottle, manifold dispenser, or automated microplate washer Absorbent paper for blotting the microtiter plate 50-300ul multi-channel micropipette Pipette tips Single-channel micropipette with different ranges 100ml and 500ml graduated cylinders Deionized or distilled water Timer Test tubes for dilution
Tag Info	qualitative
Protein Description	Indirect
Component	A 96-well Assay plate --The 96-well plate has been pre-coated with PTH 1-34. Negative Control (1 x 800 µl) --Eliminate false positive Positive Control (1 x 800 µl) --Used to evaluate the validity, stability, and comparability of experimental results. Sample Diluent (2x 20 ml) --Dilute the sample to an appropriate concentration. HRP-conjugated Immunoglobulin (1 x 10ml)--Bind to the PTH 1-34 antibody and



HRP catalyzes the TMB to elicit a chromogenic reaction.

HRP-conjugate Diluent (2x 20 ml) --(1 x 20ml)

Wash Buffer (25x concentrate) (1 x 20 ml) --Wash away unbound or free substances.

Substrate A (1 x 5 ml) --Mix with substrate B and interact with HRP, eliciting a Chromogenic reaction.

TMB Substrate (1 x 10ml) --Interact with HRP, eliciting a Chromogenic reaction.

Stop Solution (1 x 10 ml) --Stop the color reaction. The solution color immediately turns from blue to yellow.

Four Adhesive Strips (For 96 wells)--Cover the microplate when incubating.

An Instruction manual

Description

The human parathyroid hormone 1-34 (PTH 1-34) antibody ELISA kit allows for the qualitative identification of PTH 1-34 antibodies in human serum and plasma. It employs the qualitative enzyme immunoassay technique. The microtiter plate has been pre-coated with the PTH 1-34. Samples or standards are pipetted into the wells with anti-human immunoglobulin conjugated HRP. Following a wash to remove any unbound reagent, the TMB substrate solution is added to the wells and color develops in proportion to the amount of human PTH 1-34 antibody bound in the initial step. The color development is stopped and the intensity of the color is measured by a microplate reader at 450 nm. The PTH 1-34 antibody titer in the samples is determined by referring to the negative control. It indicates the presence of PTH 1-34 antibody if the O.D. (optical density) of PTH 1-34 antibody is greater than or equal to the cutoff value($2.1 \times$ Average O.D. value of negative control). There is no PTH 1-34 antibody present in the sample if the O.D. is less than the cutoff value.

This assay has excellent specificity for the detection of PTH 1-34 antibodies. And it also has been validated with precision less than 15% and lot-to-lot consistency. Get more details from the product instructions.

PTH 1-34 is a type of parathyroid hormone approved for the treatment of osteoporosis in postmenopausal women and in men who are at high risk of breaking a bone. It contributes to rebuilding bone and significantly increasing bone mineral density.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<15%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<15%

Three samples of known concentration were tested in twenty assays to assess.

Typical

Test parameter	specification	test result
Positive control	>0.8	1.895
Negative control	<0.2	0.135



Positive rate 10?Positive 100%
Negative rate 10?Negative 100%