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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
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Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Human Vitamin D-binding protein,DBP ELISA Kit

Product Code	CSB-E11859h
Abbreviation	GC
Protein Biological Process 1	Transport
Uniprot No.	P02774
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.3125 ng/ml - 20ng/ml
Sensitivity	0.078 ng/ml
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	Signal Transduction
Quality Control	A microplate reader capable of measuring absorbance at 450 nm, with the correction wavelength set at 540 nm - 570 nm. An incubator that can provide stable incubation conditions up to 37°C±5°C. 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
Target Names	GC
Tag Info	quantitative
Protein Length	Competitive
Component	A 96-well Assay plate --The 96-well plate has been pre-coated with human DBP. Standard(Freeze-dried) (1 x 200 µl) --Dilute the standard at dilution series, read the OD values, and then draw a standard curve. HRP-conjugated DBP antibody(100 x concentrate) (1 x 60 µl) --Bind to the DBP,

and HRP catalyzes the TMB to elicit a chromogenic reaction.
HRP-conjugate Diluent (1 x 10 ml) --Dilute the HRP-conjugated DBP antibody solution.
Sample Diluent (2 x 20 ml) --Reconstitute the standard and dilute the sample to an appropriate concentration.
Wash Buffer (25x concentrate) (1 x 20 ml) --Wash away unbound or free substances.
TMB Substrate (1x 10 ml) --Act as the chromogenic agent. TMB interacts with HRP, eliciting the solution turns blue.
Stop Solution (1 x 10ml) --Stop the color reaction. The solution color immediately turns from blue to yellow.
Four Adhesive Strips (For 96 wells)
An Instruction manual

Description

The Human Vitamin D-binding protein (DBP) ELISA Kit is used to detect and quantify the concentrations of DBP in serum, plasma, and tissue homogenates. This kit exclusively recognizes human DBP protein. It adopts the Competitive ELISA technique in which HRP-conjugated DBP and DBP in samples or standards compete for binding to the pre-coated DBP. And the chromogenic reaction is triggered after the addition of TMB substrate solution. After adding the stop solution, the color development is immediately terminated and the color turns from blue to yellow. The intensity of the color is negatively relevant to the levels of DBP in the sample. This ELISA kit has been confirmed to have high sensitivity, excellent specificity, premium precision, high recovery, and lot-to-lot consistency. See the product instructions for more details.

DBP, also known as Group-specific Component (GC), is the key transport protein for vitamin D metabolites circulating in the blood. It is primarily produced by hepatic parenchymal cells and secreted into the blood circulation. DBP also transports fatty acids and extracellular actin. Additionally, DBP is also involved in the control of bone development and may participate in modulating immune and inflammatory responses.