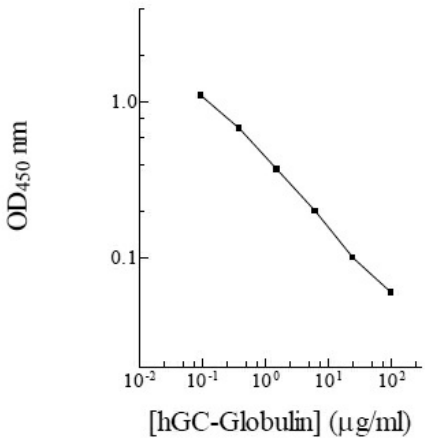
GC (Human) ELISA Kit

Catalog # KA0479 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	GC (Human) ELISA Kit is a competitive enzyme immunoassay for the quantitative measurement of human GC.
Suitable Sample	Plasma, Serum
Sample Volume	25 uL
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.098 to 100 ug/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

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Applications

- Quantification

Gene Info — GC

Entrez GeneID	2638
Gene Name	GC
Gene Alias	DBP, DBP/GC, VDBG, VDBP
Gene Description	group-specific component (vitamin D binding protein)
Omim ID	139200 275000
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the albumin gene family. It is a multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid and on the surface of many cell types. It binds to vitamin D and its plasma metabolites and transports them to target tissues. [provided by RefSeq
Other Designations	vitamin D binding protein|vitamin D-binding alpha-globulin|vitamin D-binding protein|vitamin D-binding protein/group specific component

Publication Reference

- Therapeutic potential of vitamin D-binding protein.

  Gomme PT, Bertolini J.

  Trends in Biotechnology 2004 Jul; 22(7):340.

  Application: Quant, Human, Human serum

- Gc globulin (vitamin D-binding protein) levels: an inhibition ELISA assay for determination of the total concentration of Gc globulin in plasma and serum.

  Jørgensen CS, Christiansen M, Nørgaard-Pedersen B, Ostergaard E, Schiødt FV, Laursen I, Houen G.

  Scandinavian Journal of Clinical and Laboratory Investigation 2004 Apr; 64(2):157.

  Application: ELISA, Human, Plasma

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- Increased turnover of Gc-globulin in patients with hepatic encephalopathy.

  Schiodt FV, Clemmesen JO, Bondesen S, Dahl B, Ott P.

  Scandinavian Journal of Gastroenterology 2001 Sep; 36(9):998.

Disease

- Alzheimer disease
- Asthma
- Atherosclerosis
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Calcinosis
- Cardiovascular Diseases
- Chronic Disease
- Coronary Artery Disease
- Coronary Disease
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hyperparathyroidism
- Hypertension
- Inflammation
- Liver Cirrhosis
- Lung Neoplasms

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- Metabolic Syndrome X
- Migraine Disorders
- Neoplasms
- Obesity
- Osteoporosis
- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Recurrence
- Stroke
- Tuberculosis
- Urinary Bladder Neoplasms
- Vitamin D Deficiency
- Werner syndrome

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