abcam

Product datasheet

Albumin Rabbit ELISA Kit ab108793

1 References 1 图像

概述

产品名称 Albumin兔ELISA试剂盒

检测方法 Colorimetric

精确度

批次内

样品	n	Mean	SD	CV%
Overall				4.6%

批次间

样品	n	Mean	SD	CV%
Overall				10.6%

样品类型 Urine, Serum, Plasma

检测类型 Competitive

灵敏度 = 0.18 µg/ml

范围 0.195 µg/ml - 200 µg/ml

检测时间 3h 00m

实验步骤 Multiple steps standard assay

种属反应性 **与反应:** Rabbit

产品概述 Abcam's Albumin rabbit *in vitro* competitive ELISA (Enzyme-Linked Immunosorbent Assay) kit is designed for the quantitative measurement of rabbit Albumin in plasma, serum, urine, cell culture, cell lysate, and tissue samples.

An Albumin specific antibody has been precoated onto 96-well plates and blocked. Standards or test samples are added to the wells and subsequently biotinylated Albumin is added and then followed by washing with wash buffer. Strepatvidin-Peroxidase Conjugate is added and unbound conjugates are washed away with wash buffer. TMB is then used to visualize Strepatvidin-Peroxidase enzymatic reaction. TMB is catalyzed by Strepatvidin-Peroxidase to produce a blue color product that changes into yellow after adding acidic stop solution. The density of yellow coloration is inversely proportional to the amount of Albumin captured in plate.

The entire kit may be stored at -20°C for long term storage before reconstitution - Avoid

repeated freeze-thaw cycles.

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平台 Microplate

性能

存放说明 Store at -20°C. Please refer to protocols.

组件	1 x 96 tests
100X Streptavidin-Peroxidase Conjugate	1 x 80µl
10X Diluent N Concentrate	1 x 30ml
20X Wash Buffer Concentrate	1 x 30ml
3X Biotinylated Albumin	1 unit
Albumin Microplate (12 x 8 well strips)	1 unit
Albumin Standard	1 unit
Chromogen Substrate	1 x 7ml
Sealing Tapes	3 units
Stop Solution	1 x 11ml

功能 Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc.

组织特异性 Plasma.

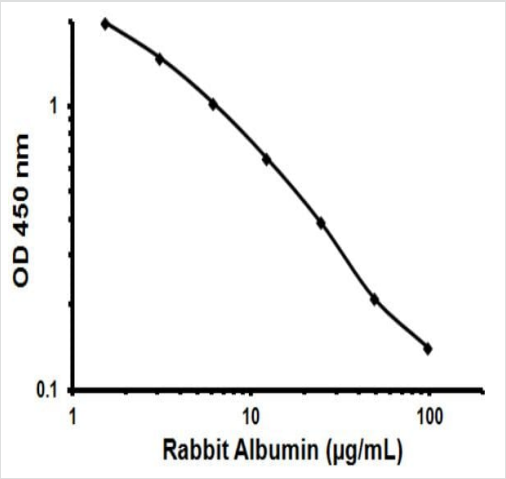
疾病相关 Defects in ALB are a cause of familial dysalbuminemic hyperthyroxinemia (FDH) [MIM:103600]. FDH is a form of euthyroid hyperthyroxinemia that is due to increased affinity of ALB for T(4). It is the most common cause of inherited euthyroid hyperthyroxinemia in Caucasian population.

序列相似性 Belongs to the ALB/AFP/VDB family.
Contains 3 albumin domains.

翻译后修饰 Kenitra variant is partially O-glycosylated at Thr-620. It has two new disulfide bonds Cys-600 to Cys-602 and Cys-601 to Cys-606.
Glycated in diabetic patients.
Phosphorylation sites are present in the extracelllular medium.
Acetylated on Lys-223 by acetylsalicylic acid.

细胞定位 Secreted.

图片



Typical Standard Curve

Representative standard curve using ab108793

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