abcam

Product datasheet

Human Insulin like Growth Factor 1 ELISA Kit (IGF1) ab108873

★★★★★ 1 Abreviews 5 References 1 图像

概述

检**测方法** Colorimetric

 精确度

 样品
 n
 Mean
 SD
 CV%

Overall 6%

样品 n Mean SD CV%
Overall 10.6%

样**品**类型 Cell culture supernatant, Serum, Plasma

检测类型 Sandwich (quantitative)

灵敏度 > 1.2 ng/ml

范围 0.4 ng/ml - 24 ng/ml

回收率 = 98 % 检测时间 5h 00m

实验步骤 Multiple steps standard assay

种属反应性 与反应: Human

产品概述 Abcam's Insulin like Growth Factor 1 (IGF1) Human in vitro ELISA (Enzyme-Linked

Immunosorbent Assay) kit is designed for the quantitative measurement of Insulin like Growth

Factor 1 concentrations in Human cell culture supernatants, serum and plasma.

An Insulin like Growth Factor 1 specific antibody has been precoated onto 96-well plates and blocked. Standards or test samples are added to the wells and subsequently an Insulin like Growth Factor 1 specific biotinylated detection antibody is added and then followed by washing with wash buffer. Streptavidin-Peroxidase Conjugate is added and unbound conjugates are washed away with wash buffer. TMB is then used to visualize Streptavidin-Peroxidase enzymatic reaction. TMB is catalyzed by Streptavidin-Peroxidase to produce a blue color product that changes into yellow after adding acidic stop solution. The density of yellow coloration is directly proportional to the amount of Insulin like Growth Factor 1 captured in plate.

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批次间

Get results in 90 minutes with Human IGF1 ELISA Kit (<u>ab211651</u>) from our SimpleStep ELISA[®] range.

The entire kit may be stored at -20°C for long term storage before reconstitution - Avoid repeated freeze-thaw cycles.

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
1X Plasma/Serum Pretreatment Buffer	1 x 7.5ml
1X Standard Diluent	1 x 2ml
20X Wash Buffer Concentrate	2 x 30ml
50X Biotinylated Human Insulin like Growth Factor 1 Antibody	1 x 120µl
Chromogen Substrate	1 x 7ml
Insulin like Growth Factor 1 Microplate (12 x 8 well strips)	1 unit
Insulin like Growth Factor 1 Standard	1 vial
Sealing Tapes	3 units
Stop Solution	1 x 11ml

	Falls
171	ED
~1	AIC.

The insulin-like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth-promoting activity. May be a physiological regulator of [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblasts. Stimulates glucose transport in rat bone-derived osteoblastic (PyMS) cells and is effective at much lower concentrations than insulin, not only regarding glycogen and DNA synthesis but also with regard to enhancing glucose uptake.

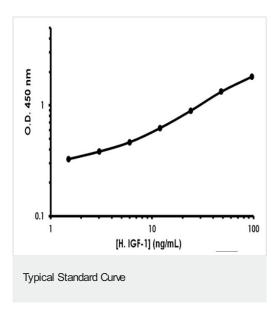
疾病相关

Defects in IGF1 are the cause of insulin-like growth factor I deficiency (IGF1 deficiency) [MIM:608747]. IGF1 deficiency is an autosomal recessive disorder characterized by growth retardation, sensorineural deafness and mental retardation.

Belongs to the insulin family.

序列相似性 细胞定位

Secreted.



Representative Standard Curve using ab108873.

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