abcam

Product datasheet

Anti-Growth Hormone antibody [GhG2] ab1954

2 References

製品の概要

製品名	Anti-Growth Hormone antibody [GhG2]
製品の詳細	Mouse monoclonal [GhG2] to Growth Hormone
特異性	Reacts with recombinant and natural human growth hormone. There is no cross-reactivity with HPRL, FSH, LH and insulin.
アプリケーション	**適用あり:** Sandwich ELISA, ELISA
種交差性	**交差種:** Human
免疫原	Recombinant full length protein (Human).
特記事項	Concentration varies from lot to lot and can be provided on request. Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We would recommend antibody ab155975 as a replacement.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
精製度	Protein G purified
特記事項（精製）	Purity tested by electrophoresis.
ポリ/モノ	モノクローナル
クローン名	GhG2
ミエローマ	x63-Ag8.653
アイソタイプ	IgG1

アプリケーション

Our Abpromise guarantee covers the use of **ab1954** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
Sandwich ELISA		Use at an assay dependent dilution. Can be paired for Sandwich ELISA with Mouse monoclonal [GhB9] to Growth Hormone (HRP) (ab1956). Can be used as Capture antibody with recommend pair(s). Detection Limit 50pg/ml
ELISA		Use at an assay dependent dilution.

ターゲット情報

機能	Plays an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.
関連疾患	Defects in GH1 are a cause of growth hormone deficiency isolated type 1A (IGHD1A) [MIM:262400]; also known as pituitary dwarfism I. IGHD1A is an autosomal recessive deficiency of GH which causes short stature. IGHD1A patients have an absence of GH with severe dwarfism and often develop anti-GH antibodies when given exogenous GH. Defects in GH1 are a cause of growth hormone deficiency isolated type 1B (IGHD1B) [MIM:612781]; also known as dwarfism of Sindh. IGHD1B is an autosomal recessive deficiency of GH which causes short stature. IGHD1B patients have low but detectable levels of GH. Dwarfism is less severe than in IGHD1A and patients usually respond well to exogenous GH. Defects in GH1 are the cause of Kowarski syndrome (KWKS) [MIM:262650]; also known as pituitary dwarfism VI. Defects in GH1 are a cause of growth hormone deficiency isolated type 2 (IGHD2) [MIM:173100]. IGHD2 is an autosomal dominant deficiency of GH which causes short stature. Clinical severity is variable. Patients have a positive response and immunologic tolerance to growth hormone therapy.
配列類似性	Belongs to the somatotropin/prolactin family.
細胞内局在	Secreted.

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