

Product datasheet

Anti-IGF1 antibody (Biotin) ab83137

概述

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| 产品名称 | Anti-IGF1抗体(Biotin) |
| 描述 | 兔多克隆抗体to IGF1 (Biotin) |
| 偶联物 | Biotin |
| 经测试应用 | 适用于: Sandwich ELISA, WB, ELISA |
| 种属反应性 | 与反应: Human |
| 免疫原 | Highly pure (>98%) recombinant human IGF1. |

性能

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| 形式 | Lyophilised:Centrifuge vial prior to opening. Reconstitute in sterile PBS containing 0.1% BSA to a concentration of 1.0 mg/ml. |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| 存储溶液 | Preservative: None Constituents: PBS, pH 7.2 |
| 纯度 | Protein A purified |
| 纯化说明 | ab83137 is sterile filtered. |
| 克隆 | 多克隆 |
| 同种型 | IgG |

应用

Our [Abpromise guarantee](#) covers the use of **ab83137** in the following tested applications.

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

| 应用 | Ab 评论 | 说明 |
|----------------|-------|---|
| Sandwich ELISA | | Use a concentration of 0.25 - 1 µg/ml. Can be paired for Sandwich ELISA with Rabbit polyclonal to IGF1 (ab9572) . Allows for the detection of at least 0.2 - 0.4 ng/well of recombinant IGF1. |

| 应用 | Ab 评论 | 说明 |
|-------|-------|---|
| WB | | Use a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIGF-I is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions. |
| ELISA | | Use a concentration of 0.25 - 0.1 µg/ml. Direct ELISA. Allows for the detection of at least 0.2 - 0.4 ng/well of recombinant IGF1. |

靶标

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| 功能 | 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. |
| 序列相似性 | Belongs to the insulin family. |
| 细胞定位 | Secreted. |
| 形式 | There are 2 isoforms produced by alternative splicing. Isoform 1 also known as: IGF-IB; Isoform 2 also known as: IGF-IA. |

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