产品名称：GH1 Mouse Monoclonal Antibody
产品货号：AMM81741

产品概述（Summary）

产品名称（Production Name）	GH1 Mouse Monoclonal Antibody
描述（Description）	Mouse monoclonal Antibody
宿主（Host）	Mouse
应用（Application）	ELISA,FC
种属反应性（Reactivity）	Human

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	Mouse IgG1
克隆（Clonality）	Monoclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Purified antibody in PBS with 0.05% sodium azide
纯化方式（Purification）	Affinity Purification

免疫原信息（Immunogen）

基因名（Gene Name）	GH1
别名（Alternative Names）	GH; GHN; GH-N; GHB5; hGH-N; IGHD1B
基因 ID（Gene ID）	2688.0
蛋白 ID（SwissProt ID）	P01242.Purified recombinant fragment of human GH1 (AA: 1-217) expressed in E. Coli.

产品应用（Application）

稀释比（Dilution Ratio）	ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量（Molecular Weight）	24.8kDa

研究背景（Background）

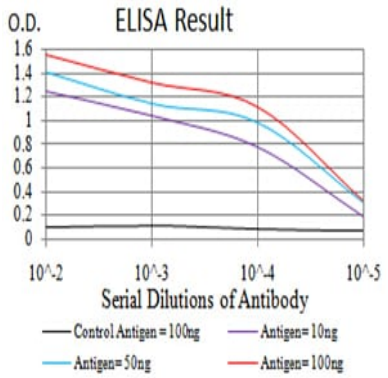
The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones which play an important

role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature.

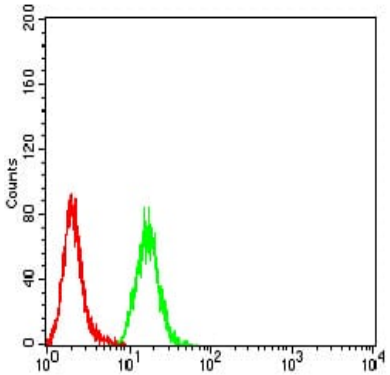
研究领域（Research Area）

TGF-beta signaling pathway,PI3K-Akt signaling pathway

图片（Image Data）



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Flow cytometric analysis of Hela cells using GH1 mouse mAb (green) and negative control (red).

注意事项（Note）

For research use only .