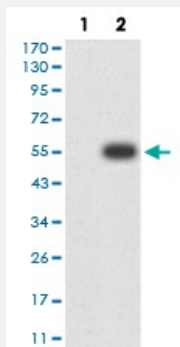


GH1 monoclonal antibody, clone 3H1C2

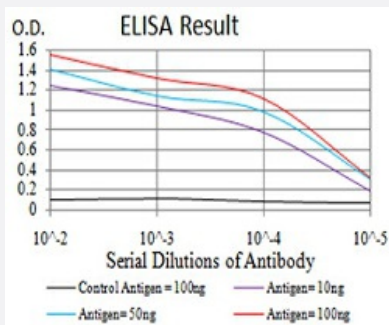
Catalog # MAB17246 Size 100 ug

Applications



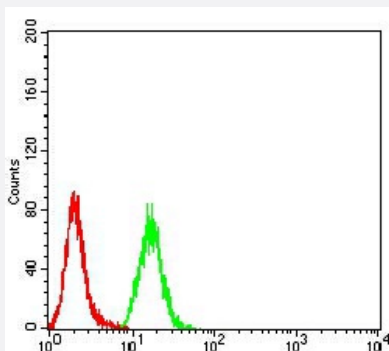
Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) GH1-hlgGfc transfected HEK293 cell lysate.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of GH1 monoclonal antibody, clone 3H1C2.



Flow Cytometry

Flow cytometric analysis of HeLa cells with GH1 monoclonal antibody (green) and negative control (red).

Specification

Product Description

Mouse monoclonal antibody raised against recombinant human GH1.

Immunogen	Recombinant protein corresponding to amino acid 1-217 of human GH1 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	24.8kDa
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) GH1-hlgGfc transfected HEK293 cell lysate.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of GH1 monoclonal antibody, clone 3H1C2.

- Flow Cytometry

Flow cytometric analysis of HeLa cells with GH1 monoclonal antibody (green) and negative control (red).

Gene Info — GH1

Entrez GeneID	2688
Gene Name	GH1
Gene Alias	GH, GH-N, GHN, hGH-N

Gene Description	growth hormone 1
Omim ID	139250 173100 262400 262650 604271
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	pituitary growth hormone

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alzheimer disease](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)
- [Colonic Polyps](#)

- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Dwarfism](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Hematologic Diseases](#)
- [Hyperplasia](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Metaplasia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Scoliosis](#)
- [Stroke](#)

- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)