



# Anti-hGH monoclonal antibody, clone A091-11213 (DMAB2236MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	MAb to hGH Monoclonal Antibody to human Growth Hormone (hGH)
<b>Antigen Description</b>	Growth hormone (GH) is a protein-based peptide hormone. It stimulates growth, cell reproduction and regeneration in humans and other animals. Growth hormone is a 191-amino acid, single-chain polypeptide that is synthesized, stored, and secreted by the somatotroph cells within the lateral wings of the anterior pituitary gland.
<b>Specificity</b>	Cross-reactivity: Synthetic hGH (Somatorm) 100% Human Placental Lactogen <0.02% Human Prolactin <0.02%
<b>Immunogen</b>	hGH isolated from human pituitary gland
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	A091-11213
<b>Affinity Constant</b>	1.3 x 10 <sup>9</sup> L/m
<b>Purification</b>	>90% pure (SDS-PAGE). Protein A chromatography Product is 0.2µm filtered.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should

not necessarily be excluded.

Recommended pairs for sandwich immunoassay:

Capture Detection

DMAB2236MH DMAB2235MH

Suggested pair for testing (Capture - Detection): DMAB2236MH - [DMAB2235MH](#)

<b>Format</b>	Purified, Liquid
<b>Concentration</b>	5.2mg/ml
<b>Size</b>	1 mg
<b>Buffer</b>	10mM Phosphate, pH 7.4 containing 150mM Sodium chloride
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Short term (up to 7 days) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GH1growth hormone 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	GH1
<b>Synonyms</b>	growth hormone 1; GH; GHN; GH-N; hGH-N; IGHD1B; GH1; Pituitary growth hormone; Growth hormone; somatotropin
<b>Entrez Gene ID</b>	<a href="#">2688</a>
<b>Protein Refseq</b>	<a href="#">NP_072054</a>
<b>UniProt ID</b>	<a href="#">B1A4G6</a>
<b>Chromosome Location</b>	17q24.2
<b>Pathway</b>	Adipogenesis, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Diabetes pathways, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Synthesis, Secretion, and Deacylation of Ghrelin, organism-specific biosystem
<b>Function</b>	growth factor activity; growth hormone receptor binding; hormone activity; metal ion binding; prolactin receptor binding; protein binding