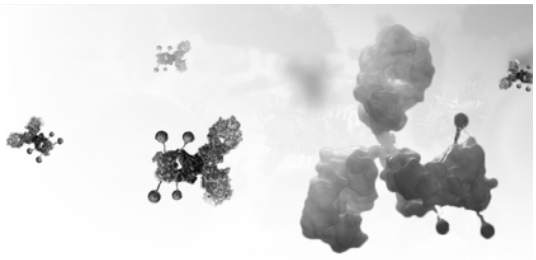

Anti-hGH monoclonal antibody, clone A091-12211 (DMAB2235MH)

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

PRODUCT INFORMATION

Product Overview	MAb to hGH Monoclonal Antibody to human Growth Hormone (hGH)
Antigen Description	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.
Specificity	Cross-reactivity: Synthetic hGH (Somatonorm) 100% Human Placental Lactogen <0.02% Human Prolactin <0.02%
Immunogen	hGH isolated from human pituitary gland
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	A091-12211
Affinity Constant	1.5 x 109 L/m
Purification	>90% pure (SDS-PAGE). Protein A chromatography Product is 0.2μm filtered.
Conjugate	Unconjugated
Applications	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

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	not necessarily be excluded. Suggested pair for testing (Capture - Detection): DMAB2236MH - DMAB2235MH
Format	Purified, Liquid
Concentration	5.0mg/ml (OD280nm, E0.1% = 1.4)
Size	1 mg
Buffer	10mM Phosphate, pH 7.4 containing 150mM Sodium chloride
Preservative	0.1% Sodium Azide
Storage	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

Gene Name	GH1growth hormone 1 [Homo sapiens]
Official Symbol	GH1
Synonyms	growth hormone 1; GH; GHN; GH-N; hGH-N; IGHD1B; GH1; Pituitary growth hormone; Growth hormone; somatotropin
Entrez Gene ID	2688
Protein Refseq	NP_072054
UniProt ID	B1A4G6
Chromosome Location	17q24.2
Pathway	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
Function	growth factor activity; growth hormone receptor binding; hormone activity; metal ion binding; prolactin receptor binding; protein binding

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