

ARG10172
anti-GH1 / Growth hormone antibody [YC8] (HRP)

Package: 100 µl

Store at: -20°C

Summary

Product Description	HRP-conjugated Mouse Monoclonal antibody [YC8] recognizes GH1 / Growth hormone
Tested Reactivity	Hu
Tested Application	ELISA
Host	Mouse
Clonality	Monoclonal
Clone	YC8
Isotype	IgG1, kappa
Target Name	GH1 / Growth hormone
Immunogen	Purified recombinant Human Growth hormone.
Conjugation	HRP
Alternate Names	GH-N; Somatotropin; IGHD1B; Growth hormone; Growth hormone 1; Pituitary growth hormone; GHN; hGH-N; GH

Application Instructions

Application Note	ELISA: In combination with capture antibody anti-hGH mAb clone YC6 (Cat.: ARG10171), this HRP conjugated antibody can be used in sandwich ELISA applications for hGH detection. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2) and 50% Glycerol
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Keep the antibody in the dark and keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 2688 Human Swiss-port # P01241 Human
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Gene Symbol	GH1
Gene Full Name	growth hormone 1
Background	Human growth hormone (hGH) is a 191 amino acid polypeptide secreted by the pituitary gland in the brain. The hormone is critical for height increase and stature development before puberty, and is needed for maintaining healthy organ and vitality in adults. In childhood, insufficient hGH results in short stature and over secretion of hGH causes gigantism. hGH is regulated primarily by somatocrinin and somatostatin released from hypothalamus in response to physiological signals such as age, gender nutrition, excise, stress and sleep etc.
Function	Plays an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30055 Human Growth Hormone ELISA Antibody Duo Related products: GH1 antibodies ; GH1 ELISA Kits ; GH1 Duos / Panels ; Anti-Mouse IgG secondary antibodies ;
Research Area	Developmental Biology antibody; Signaling Transduction antibody
Calculated Mw	25 kDa