



ANOGEN - A Division of YES Biotech Laboratories Ltd.

2355 Derry Road East, Unit 23, Mississauga, ON, Canada L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

Mouse Anti-hGH Monoclonal Antibody Datasheet

Product Name: mAb anti-hGH		Clone No.: YC6	
Catalogue No.: MO-M40012A		Quantity: 0.5 mg/vial	
Description:	Mouse monoclonal antibody to human growth hormone (hGH)	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. hGH inadequacy during childhood results in short stature and over secretion of hGH causes gigantism. hGH is regulated primarily by somatocrinin and somatostatin, which are released from hypothalamus in response to physiological signals such as age, gender nutrition, excise, stress and sleep etc.
Purification:	Protein G affinity purified		
Product Type:	Primary antibody- capture antibody in matched antibody pair		
Target Protein:	Human growth hormone (hGH)		
Immunogen:	Purified recombinant hGH		
Fusion Myeloma:	Sp2/0-Ag14		
Specificity:	This monoclonal antibody reacts with natural and recombinant hGH. The affinity constant measured by Friguet's method (1985) is 1.7×10^{10} /M.	Applications:	ELISA: This antibody can be used as a capture antibody in sandwich ELISA applications for hGH detection in combination with anti-hGH monoclonal antibody clone YC8 (HRP-conjugated, Cat. No.: MO-M40012T or Biotin-conjugated, Cat. No.: MO-M40012TB).
Species Reactivity:	Human, others not tested		
Host / Isotype:	Mouse, IgG2a Kappa		
Formulation:	Lyophilized from a solution in 0.01M PBS, pH 7.2	References:	If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.
Reconstitution:	Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.		
Storage:	Store at -20°C		
Research Area:	Hormone, growth and development		

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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