



# 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

<b>Product Name:</b> mAb anti-hGH	<b>Clone No.:</b> YC6
<b>Catalogue No.:</b> MO-M40012A	<b>Quantity:</b> 0.5 mg/vial
<b>Description:</b> Mouse monoclonal antibody to human growth hormone (hGH)	<b>Background:</b> 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.
<b>Purification:</b> Protein G affinity purified	
<b>Product Type:</b> Primary antibody- <b>capture</b> antibody in matched antibody pair	
<b>Target Protein:</b> Human growth hormone (hGH)	
<b>Immunogen:</b> Purified recombinant hGH	
<b>Fusion Myeloma:</b> Sp2/0-Ag14	
<b>Specificity:</b> This monoclonal antibody reacts with natural and recombinant hGH. The affinity constant measured by Friguet's method (1985) is $1.7 \times 10^{10}$ /M.	<b>Applications:</b> <b>ELISA:</b> 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).
<b>Species Reactivity:</b> Human, others not tested	<b>References:</b> 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.
<b>Host / Isotype:</b> Mouse, IgG2a Kappa	
<b>Formulation:</b> Lyophilized from a solution in 0.01M PBS, pH 7.2	
<b>Reconstitution:</b> Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.	
<b>Storage:</b> Store at -20°C	
<b>Research Area:</b> 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.

Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd.