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

HRP Conjugated Mouse Anti- hGH Monoclonal Antibody Datasheet

Product Name: HRP conjugated mAb anti-hGH

Clone No.: YC8

Catalogue No.: MO-M40012T

Quantity: 0.2 mL/vial

Description: Horseradish peroxidase (HRP) conjugated mouse monoclonal antibody to human growth hormone (hGH)

Purification: Protein G affinity purified

Product Type: **Tracer** antibody in matched antibody pair, HRP conjugated.

Target Protein: Human growth hormone

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.

Species Reactivity: Human, others not tested

Host / Isotype: Mouse, IgG1 Kappa

Storage Buffer Formulation: Mixture of 50% glycerol and 50% PH7.2 0.01M PBS. Final PH = 7.0 ± 0.1 .

Storage: Store at -20°C

Research Area: Hormone, growth and development

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.

Applications: **ELISA:** In combination with capture antibody anti-hGH mAb clone YC6 (Cat.: MO-M40012A), this HRP conjugated antibody can be used in sandwich ELISA applications for hGH detection.

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.

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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