



## 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  $1.7 \times 10^{10}/M$ .

**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 =  $7.0 \pm 0.1$ .

**Storage:** Store at  $-20^{\circ}C$

**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 somatotropin and somatostatin, which are released from hypothalamus in response to physiological signals such as age, gender nutrition, exercise, 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.

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