Monoclonal Antibody
anti-human growth hormone 22K (hGH-22K)
Ref: hGH-12

DESCRIPTION:
Human growth hormone (hGH) is a peptide hormone that stimulates the growth of essentially all tissues of the body. hGH is synthesized, stored, and secreted by somatotrophic cells of the anterior pituitary gland, as a single-chain polypeptide. The GH-N gene expresses the major 22K form (65–80%) and the second most abundant isoform 20K (5–10%) resulting from alternative mRNA splicing.

Monoclonal Antibody: anti-human growth hormone 22K (hGH-22K)
Immunogen: Purified hGH-22K
Host: mouse
Clone: hGH-12
Size: 0.1, 0.5 and 1 mg/vial
Source: isolated from ascitic fluid
Isotype: IgG1 kappa
Specificity: hGH-22K (Amino acid sequence 143-148)
Buffer: 50% ammonium sulfate

QUALITY CONTROL:
Protein concentration: Lot specific. 1-2 mg/ml
Purity: 70-90%

LOT SPECIFICATIONS:
1- Concentration: lot specific
2- Total quantity per aliquot: 0.1-1 mg
3- Total volume for aliquot: 0.1-1 ml
4- Storage: store at 4 ºC Do not freeze.
5- Applications: ELISA, IP, RIA, SPR biosensor
6- Observations:
   1- it forms a pair of cooperating antibodies with hGH-26 or hGH-33, being the mAb of the liquid phase
   2- this product contains sodium azide as preservative.
   2- the optimal concentration must be established by the end user.

REFERENCES: