PRODUCT INFORMATION SUMMARY

Matched Antibody Pair
Anti-Human Growth Hormone

Purified Antibody	MP100222C	Capture	0.5 mg
Purified Antibody-HRP Conjugate	MP100222T	Tracer	0.2 mL
Purified Antibody-Biotin Conjugate	MP100222B	Tracer	0.1 mg

SPECIFICITY:

Human Growth Hormone. These murine monoclonal antibodies react with both native and recombinant hGH molecules and recognize different antigenic determinants. Capture antibody reacts with affinity constant of 1.7 x 10^{10} /M.

CLONES:

Derived from immunization with purified, recombinant human Growth Hormone.

GENERAL PROCEDURE:

A laboratory qualified, matched monoclonal antibody pair for ELISA development is provided. One purified, lyophilized, antibody for "Capture" and HRP-labelled - or biotin labeled "Tracer" antibody.

Capture: Reconstitute with 0.5 mL distilled water.

1) Further dilute in 0.05M Carbonate buffer, pH 9.5, (or similar coating buffer supplied by customer) to suggested coating concentration of 5.0 ug/mL (customer may have to optimize). **Note:** reagents contain no preservatives. For long-term storage of unused portion, add suitable preservative or freeze small aliquots and store at -20°C. **DO NOT freeze tracer (conjugate).**

2) Coat microwells at 100 uL per well.

3) Incubate at 4°C overnight. Wash with 0.01M PBS, Tween-20. Dry with absorbent paper.

4) Use 200 uL per well coating stabilizer (ANTIGENIX cat. no. EA150 or similar. - **This will block and stabilize in one step! -** Follow directions on coating stabilizer data sheet.

5) Incubate at 37 °C for 2 hours. Dump contents, dry with absorbent paper.

NOTE: This general procedure is provided as a guideline only. Customer may use similar procedures that are optimized to the customer's requirements.

Tracer: Provided as liquid concentrate. (either as HRP or Biotin – customer's choice)

1) Further dilute in appropriate conjugate diluent to optimized concentration. The working dilution (approx. 1:1,000 – 1:1,500) for HRP) will vary depending on assay conditions and must be determined by customer. For long-term storage, add appropriate preservative (thimerosal or similar that will not interfere with HRP/substrate reaction).

2) After samples or standards (100 uL) are added to each microwell, and incubated, washed, etc., according to customer's protocol, dispense approximately 2 drops of diluted conjugate into each microwell, cover and incubate at room temp. for 60 minutes.

3) Wash the plate five times with wash solution. Add 100 uL of TMB substrate solution, cover and incubate 15 minutes at room temperature. Add 100 uL stop solution to each microwell.

4) Absorbance is read at 450 nm within 30 minutes.

CROSS-REACTIVITY:

Cross-reactivity with other cytokines, including MCP-1, IL 1 Beta, MCP-3, and Bovine Serum Albumin was not observed in quality control testing.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the product label description.

RESEARCH USE ONLY
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