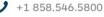


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## TECHNICAL PRODUCT SUMMARY

## **Chorionic Gonadotropin (hCG)**

#### **PROTEINS**

| Cat. No. | Description    | Source              | Purity |
|----------|----------------|---------------------|--------|
| C0733    | hCG            | Recombinant         | ≥95%   |
| C0732    | hCG            | Recombinant         | ≥80%   |
| C0731    | hCG            | Recombinant         | Crude  |
| C0814    | hCG, α-Subunit | Purified Intact hCG | ≥98%   |
| C0917    | hCG, ß-Subunit | Recombinant         | ≥95%   |

#### **ANTIBODIES**

| Cat. No. | Description                | Clone                         | Affinity<br>Constant   |
|----------|----------------------------|-------------------------------|------------------------|
| MC075    | hCG Monoclonal             | CC001                         | 1.0 x 10 <sup>10</sup> |
| MC085    | α-hCG Monoclonal           | BC005                         | $4.0 \times 10^{10}$   |
| MC095    | ß-hCG Monoclonal           | AC001                         | 1.0 x 10 <sup>10</sup> |
| MC097    | ß-hCG Monoclonal           | BC001                         | 2.0 x 10 <sup>10</sup> |
| GC079    | Goat anti hCG Polyclonal   | Immunoaffinity Chromatography |                        |
| GC089    | Goat anti α-hCG Polyclonal | Immunoaffinity Chromatography |                        |
| GC099    | Goat anti ß-hCG Polyclonal | Immunoaffinity                | Chromatography         |

## ANTIBODIES PAIRS FOR ASSAY DEVELOPMENT

| Capture Antibody       | Trapping Antibody       |  |
|------------------------|-------------------------|--|
| Goat anti hCG, GC079   | ß-hCG Monoclonal, BC001 |  |
| Goat anti α-hCG, GC089 | ß-hCG Monoclonal, BC001 |  |
| Goat anti ß-hCG, GC099 | ß-hCG Monoclonal, BC001 |  |

# Chorionic Gonadotropin

Human Chorionic Gonadotropin (hCG) is a sialoglycoprotein hormone secreted by the trophoblastic cells of the placenta during pregnancy. Its production increases shortly after implantation of the fertilized ovum in the uterine wall. Although its role in the female reproductive cycle is not clear, hCG is instrumental in the maintenance of the corpus luteum at the beginning of the gestation period.

Immunoassays for hCG serum levels are useful in the detection and/or verification of normal pregnancy, as elevated levels of hCG are reportedly detectable as early as seven days after conception. In addition, low levels of serum hCG may help diagnose ectopic pregnancy, while elevated levels of serum hCG have been reported in patients with trophoblastic disease, choriocarcinoma, and various other types of cancer

ISO 9001:2015

Intended Use: All Products are for Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.