

**Mouse Anti-Human Chorionic Gonadotropin (HCG) alpha [HCGa/53]: MC0796, MC0796RTU7**

**Intended Use:** For Research Use Only

**Description:** Human Chorionic Gonadotropin (HCG) is a glycoprotein, which is secreted in large quantities by normal trophoblasts. It is present only in trace amounts in non-pregnant urine and sera but rises sharply during pregnancy. HCG is composed of two non-identical, non-covalently linked polypeptide chains designated as the alpha- and Beta-subunits. The alpha-subunit of HCG is nearly identical to that of thyroid stimulating hormone (TSH), follicle stimulating hormone (FSH), and luteinizing hormone (LH). A germ cell tumor which is positive for cytokeratin, placental alkaline phosphatase (PLAP), and HCG but negative for EMA and AFP is probably a choriocarcinoma.

**Specifications:**

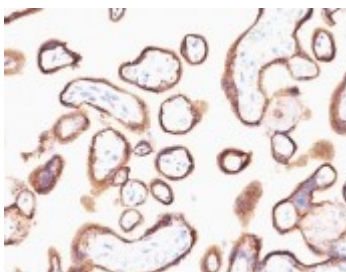
Clone: HCGa/53  
Source: Mouse  
Isotype: IgG1k  
Reactivity: Human  
Localization: Cytoplasm, secreted  
Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C  
Applications: IHC, WB  
Package:

| Description   | Catalog No. | Size |
|---|-------------|------|
| Human Chorionic Gonadotropin (HCG) alpha Concentrated | MC0796      | 1 ml |
| Human Chorionic Gonadotropin (HCG) alpha Prediluted   | MC0796RTU7  | 7 ml |

**IHC Procedure\*:**

Positive Control Tissue: Placenta, choriocarcinoma  
Concentrated Dilution: 50-200  
Pretreatment: None  
Incubation Time and Temp: 30-60 min @ RT  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human placenta stained with anti-hCG alpha using DAB

**References:**

1. Expression of the alpha- and beta-subunits of human chorionic gonadotropin by subsets of parathyroid cells in states of hyperparathyroidism. Carlinfante G et al. J Pathol. 1998.
2. Human chorionic gonadotropin (hCG) and its free subunits in hydrocele fluids and neoplastic tissue of testicular cancer patients: insights into the in vivo hCG-secretion pattern. Madersbacher S et al. Cancer Res. 1994.