

Datasheet



Mouse mAb to **hCG-alpha**
Clone **G6D12**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with purified hCG.
Fusion partner: Sp2/0.

Specifications

G6D12 reacts with hCG alpha chain, which is identical among hCG, TSH, FSH and LH. While hCG 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. Besides trophoblastic tumors e.g. choriocarcinoma, large cell carcinoma, adenocarcinoma and squamous cell carcinoma of the lung are also positive in 90%, 60% and 20% of cases respectively. hCG expression by non-trophoblastic tumors may indicate aggressive behavior.

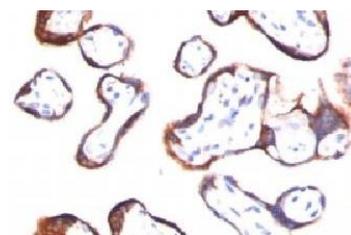


Figure 1: Human placenta stained for hCG (paraffin)

Species reactivity

Positive: human.

Applications

Pregnancy and oncology.

ELISA	Frozen sections	Paraffin sections
+	+	+

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02 % sodium azide.

Stored at 4°C- 8°C, shelf life is at least 24 months after purchase.

Dilution advice

- ELISA (solid phase: 0,1-100 µg/ml; tracer: 0,001-100 µg/ml for 30 min at RT).
- Immunohistology (1-2 µg/ml for 30 minutes at RT).

Positive control

JAR or TT Cells. Placenta.

References

- McDonald EA et. al. *Endocrinology* **150**:4358-65 (2009).