

## Product datasheet

### anti-hCG Holo mouse monoclonal, HCGh25, purified

#### Short overview

<b>Cat. No.</b>	691694
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1 kappa
<b>Clone</b>	HCGh25
<b>Immunogen</b>	Purified hCG
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	IHC
<b>Reactivity</b>	Human

#### Applications

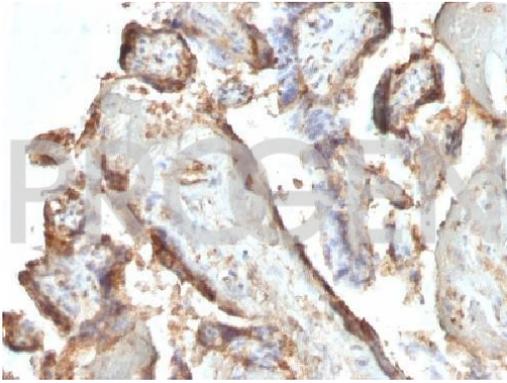
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)
<b>Immunohistochemistry (IHC) - paraffin</b>	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)

#### Background

HCGh25 is very special because it reacts ONLY with intact-hCG and not with either free alpha- or free beta-chain of hCG. hCG is a glycoprotein composed of two non-identical, non-covalently linked polypeptide chains. The alpha subunit 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.

Positive control: JAR or TT Cells. Placenta.

#### Product images



Human placenta