Anti-Human GH1 Antibody [K01013_5E7]

Catalog No. K01013R05E07C

Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Human GH1 Antibody [K01013_5E7]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antibody specificity</td>
<td>Growth hormone (GH1)</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Human</td>
</tr>
<tr>
<td>Clonality</td>
<td>Monoclonal</td>
</tr>
<tr>
<td>Clone number</td>
<td>K01013_5E7</td>
</tr>
<tr>
<td>Host / isotype</td>
<td>Rat / IgG2a</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Recombinant human GH1</td>
</tr>
<tr>
<td>Cross reactivity</td>
<td>Not tested</td>
</tr>
<tr>
<td>Kinetic characterization by BLI (biolayer interferometry)</td>
<td>Not tested</td>
</tr>
<tr>
<td>Purification</td>
<td>Protein A purified from cell culture supernatants</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Concentration</td>
<td>1 mg/mL in phosphate buffered saline containing 0.09% preservative</td>
</tr>
<tr>
<td>Conjugation</td>
<td>Unconjugated</td>
</tr>
</tbody>
</table>
| Shipping, storage and shelf life | * 3 months when stored at 2 to 8 °C  
* 1 year when aliquoted and stored at -20 °C  
* 3 years when aliquoted and stored at -80 °C |

Applications

<table>
<thead>
<tr>
<th>Application</th>
<th>Recommended concentration</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect ELISA</td>
<td>1 µg/mL</td>
<td></td>
</tr>
<tr>
<td>Immunohistochemistry-paraffin (IHC-P)</td>
<td>2 µg/mL</td>
<td></td>
</tr>
</tbody>
</table>

Note:
* The applications above have already been verified. The antibody may be suitable for additional applications.
* Optimal antibody concentrations for each application should be determined by the user.

Additional information

Target antigen

- Protein name: Growth hormone 1
- Gene name: GH1
- UniProt Accession: P01241
- Organism: Homo sapiens (Human)

Product data

**Immunohistochemistry**

IHC-P analysis of human placenta tissue by anti-human GH1 antibody (K01013_5E7). IHC-P was performed using sections of the formalin-fixed paraffin-embedded human placenta tissue. Antigen was retrieved through addition of boiling Tris/EDTA buffer pH 9 in a pressure cooker for 3 min. Removal of endogenous peroxidase activity was done by incubating the sections with 3% H2O2 for 30 min at room temperature. The sections were then incubated with anti-human GH1 primary antibody (K01013_5E7) at 2 µg/mL at room temperature for 1 h. Poly-peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. Diaminobenzidine was used as the chromogen. The section was counterstained with hematoxylin.

Result: Trophoblastic cells are positively stained at cytoplasm.