# Anti-Human ID4 Antibody [K40026_1D3]

## Catalog No. K40026M01D03C

### Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Human ID4 Antibody [K40026_1D3]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antibody specificity</td>
<td>Inhibitor of DNA binding 4</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>K40026_1D3</td>
</tr>
<tr>
<td>Host / isotype</td>
<td>Mouse / IgG1</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Recombinant human ID4</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>
<tr>
<td>Shipping, storage and shelf life</td>
<td>Shipped at ambient temperature. Avoid repeated freeze-thaw cycles. Upon receipt,</td>
</tr>
<tr>
<td></td>
<td>* 3 months when stored at 2 to 8 °C</td>
</tr>
<tr>
<td></td>
<td>* 1 year when aliquoted and stored at -20 °C</td>
</tr>
<tr>
<td></td>
<td>* 3 years when aliquoted and stored at -80 °C</td>
</tr>
</tbody>
</table>

### Applications

<table>
<thead>
<tr>
<th>Applications</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>10 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

<table>
<thead>
<tr>
<th>Target antigen</th>
<th>Protein name: Inhibitor of DNA binding 4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gene name: ID4</td>
</tr>
<tr>
<td></td>
<td>UniProt Accession: P47928</td>
</tr>
<tr>
<td></td>
<td>Organism: Homo sapiens (Human)</td>
</tr>
</tbody>
</table>
**Immunohistochemistry**

IHC-P analysis of human testis tissue by anti-human ID4 antibody (K40026_1D3).

IHC-P was performed using sections of the formalin-fixed paraffin-embedded human testis tissue. Antigen was retrieved through addition of boiling Tris/EDTA buffer pH 9 in a pressure cooker for 3 min. Endogenous peroxidase activity was quenched by incubating the sections with 3% H$_2$O$_2$ for 30 min at room temperature. The sections were then incubated with anti-human ID4 primary antibody (K40026_1D3) at 10 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. A tissue section incubated with phosphate-buffered saline followed by incubation with the secondary antibody was used as the background control.

Result: Cells in tubules are positively stained at the nuclei. Few cells are stained at the cytoplasm as well.