Anti-Human MMP10 Antibody [K06317_3H1]

Catalog No. K06317M03H01C

Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Human MMP10 Antibody [K06317_3H1]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antibody specificity</td>
<td>Matrix metalloenzyme 10 (SL-2, MMP-10)</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>K06317_3H1</td>
</tr>
<tr>
<td>Host / isotype</td>
<td>Mouse / IgG2a</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Recombinant human MMP10</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>
</tbody>
</table>

* 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></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>7.5 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: Matrix metalloenzyme 10
Gene name: MMP10
UniProt Accession: P09238
Organism: Homo sapiens (Human)
**Product data**

**Immunohistochemistry**

IHC-P analysis of human kidney tissue by anti-human MMP10 antibody (K06317_3H1). IHC-P was performed using sections of the formalin-fixed paraffin-embedded human kidney 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% H₂O₂ for 30 min at room temperature. The sections were then incubated with anti-human MMP10 primary antibody (K06317_3H1) at 7.5 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 cytoplasm.