Anti-Human IL18 Antibody [K94016_20H1]

Catalog No. K94016C20H01C

Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Human IL18 Antibody [K94016_20H1]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antibody specificity</td>
<td>Interleukin 18 (IL-18)</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>K94016_20H1</td>
</tr>
<tr>
<td>Host / isotype</td>
<td>Mouse / IgG2a</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Recombinant human IL18</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></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>Western blot (WB)</td>
<td>1 µg/mL</td>
<td></td>
</tr>
<tr>
<td>Indirect ELISA</td>
<td>1 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: Interleukin 18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gene name: IL18</td>
<td></td>
</tr>
<tr>
<td>UniProt Accession: Q14116</td>
<td></td>
</tr>
<tr>
<td>Organism: Homo sapiens (Human)</td>
<td></td>
</tr>
</tbody>
</table>

| Paired antibody information    | K94016_20H1 may pair with K94016_16G4, K94016_11A2 and K94016_13H1 for sandwich based immune assays. |
Western blotting

15 µg of U-2 OS lysate was run on 6-18% SDS-PAGE under reducing conditions and blotted onto nitrocellulose membrane. K94016_20H1 at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. IL18 band was visualized using ECL Western Blotting Substrate.

Result: K94016_20H1 can detect human IL18 by Western blotting.