Anti-Human GMPR2 Antibody [K49018_8F7]

Catalog No. K49018M08F07C

Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Human GMPR2 Antibody [K49018_8F7]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antibody specificity</td>
<td>Guanosine monophosphate reductase 2 (GMPR 2)</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>K49018_8F7</td>
</tr>
<tr>
<td>Host / isotype</td>
<td>Mouse / IgG1</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Recombinant human GMPR2</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>* 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>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>Immunoprecipitation (IP)</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

Target antigen

Protein name: Guanosine monophosphate reductase 2
Gene name: GMPR2
UniProt Accession: Q9P2T1
Organism: Homo sapiens (Human)

Product data

Immunoprecipitation

Immunoprecipitation was performed by incubation of 2.5 µg K49018_8F7 with Hep G2 lysate containing 200 µg total protein. After absorption with Protein G beads, the mixture was run on 6-18% SDS-PAGE and blotted onto nitrocellulose membrane. Anti-human GMPR2 (K49018_14G3) at 1 µg/mL was used as the primary antibody and peroxidase conjugated rabbit anti-mouse IgG (Light chain specific) was used as the secondary antibody. The isotype control antibody was KT82.

Lane 1: Human GMPR2 immunoprecipitated from Hep G2 lysate by K49018_8F7
Lane 2: The same as Lane 2 but KT82 was used as IgG isotype control antibody
Result: K49018_8F7 can immunoprecipitate human GMPR2.