Anti-Human HAVCR1 Antibody [K49023_9C6]

Catalog No. K49023C09C06C

Overview

Product name Anti-Human HAVCR1 Antibody [K49023_9C6]
Antibody specificity Hepatitis A virus cellular receptor 1 (HAVcr-1)
Species reactivity Human
Clonality Monoclonal
Clone number K49023_9C6
Host / isotype Mouse / IgG1
Immunogen Recombinant human HAVCR1
Cross reactivity Not tested
Kinetic characterization by BLI (biolayer interferometry) Not tested
Purification Protein A purified from cell culture supernatants
Form Liquid
Concentration 1 mg/mL in phosphate buffered saline containing 0.09% preservative
Conjugation Unconjugated
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>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>
<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: Hepatitis A virus cellular receptor 1
Gene name: HAVCR1
Uniprot Accession: Q96D42
Organism: Homo sapiens (Human)
Western blotting

15 µg of HEK-293 lysate was run on 6-18% SDS-PAGE under reducing conditions and blotted onto nitrocellulose membrane. K49023_9C6 at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. HAVCR1 band was visualized using ECL Western Blotting Substrate.

Result: K49023_9C6 can detect human HAVCR1 by Western blotting.

Immunoprecipitation

Immunoprecipitation was performed by incubation of 2.5 µg of K49023_9C6 with HEK-293 lysate containing 200 µg of total protein. After absorption with Protein G beads, the mixture was run on 6-18% SDS-PAGE and blotted onto nitrocellulose membrane. Anti-human HAVCR1 (K49023_15A11) 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: HEK-293 lysate
Lane 2: Human HAVCR1 immunoprecipitated from HEK-293 lysate by K49023_9C6
Lane 3: The same as Lane 2 but KT82 was used as IgG isotype control antibody

Result: K49023_9C6 can immunoprecipitate human HAVCR1.