Anti-Human AFP Antibody [K06092_6B6]

Catalog No. K06092M06B06C

**Overview**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Human AFP Antibody [K06092_6B6]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antibody specificity</td>
<td>Alpha-fetoprotein (AFP)</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>K06092_6B6</td>
</tr>
<tr>
<td>Host / isotype</td>
<td>Mouse / IgG1</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Purified native human AFP</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>
</tbody>
</table>

**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>

* 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: Alpha fetoprotein
- Gene name: AFP
- UniProt Accession: P02771
- Organism: Homo sapiens (Human)
Western blotting
15 µg of Hep G2 lysate and 15 µg of human plasma were run on 6-18% SDS-PAGE under reducing conditions and blotted onto nitrocellulose membrane. K06092_6B6 at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. AFP band was visualized using ECL Western Blotting Substrate.
Result: K06092_6B6 can detect human AFP by Western blotting.

Immunoprecipitation
Immunoprecipitation was performed by incubation of 2.5 µg K06092_6B6 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 AFP (K06092_10A11) at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-human mouse IgG was used as the secondary antibody. The isotype control antibody was KT82.
Lane 1: 15 µg of Hep G2 lysate
Lane 2: Human AFP immunoprecipitated from Hep G2 lysate by K06092_6B6
Lane 3: The same as Lane 2 but KT82 was used as IgG isotype control antibody
Result: K06092_6B6 can immunoprecipitate human AFP.