Anti-Human TNF Antibody [K06288_1B2]

Catalog No. K06288U01B02C

Overview

Product name: Anti-Human TNF Antibody [K06288_1B2]
Antibody specificity: Tumour necrosis factor (TNF-alpha, TNFα)
Species reactivity: Human
Clonality: Monoclonal
Clone number: K06288_1B2
Host / isotype: Mouse / IgG1
Immunogen: Recombinant human TNF
Cross reactivity: K06288_1B2 does not cross-react with human IL1B, IL2, IL4, IL5, IL6, IL7, CXCL8, IL9, IL10, IL11, IL12, IL13, CSF2, IFNA, IFNG, CCL2 and KITLG.

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>Method</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

Target antigen

Protein name: Tumor necrosis factor
Gene name: TNF
UniProt Accession: P01375
Organism: Homo sapiens (Human)
Western blotting

25 ng of recombinant human TNF was run on 6-18% SDS-PAGE under reducing conditions and blotted onto nitrocellulose membrane. K06288_1B2 at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. TNF band was visualized using ECL Western Blotting Substrate.

Result: K06288_1B2 can detect recombinant human TNF by Western blotting.

Cross reactivity

Microtiter wells were coated with various human cytokines. K06288_1B2 was used as the primary antibody and peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody.

Result: K06288_1B2 does not cross-react with human IL1B, IL2, IL4, IL5, IL6, IL7, CXCL8, IL9, IL10, IL11, IL12, IL13, CSF2, IFNA, IFNG, CCL2 and KITLG.