Technical Data Sheet

Purified NA/LE Mouse Anti-Human IFN-γ

Product Information

Material Number: 554547
Size: 0.5 mg
Concentration: 1.0 mg/ml
Clone: NIB42
Immunogen: Recombinant human IFN-γ
Isotype: Mouse IgG1, κ
Reactivity: QC testing: Human
Storage Buffer: No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered. Endotoxin level is ≤0.01 EU/µg (≤0.001 ng/µg) of protein as determined by the LAL assay.

Description

The NIB42 antibody reacts with human interferon-gamma (IFN-γ). The immunogen used to generate the NIB42 hybridoma was recombinant human IFN-γ. This is a neutralizing antibody.

Preparation and Storage

Store undiluted at 4°C.
The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes

Application

<table>
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<tr>
<th>Application</th>
<th>Neutralization</th>
<th>Routinely Tested</th>
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<tbody>
<tr>
<td>ELISA</td>
<td>Tested During Development</td>
<td></td>
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Neutralization Activity:

This antibody has been reported to be useful for the neutralization of human IFN-γ anti-viral activity. Neutralization activity may be measured with an encephalomyocarditis virus (EMCV) resistance assay using 1 ng/mL recombinant human IFN-γ (Cat. No. 554617) with A549 indicator cells. 50% Neutralization (ND50) at 0.25 - 2.0 µg/mL. > 90% Neutralization at 5 - 50 µg/mL.

Recommended Assay Procedure:

**ELISA:** Purified NIB42 antibody can be useful as a capture antibody in sandwich ELISA for measuring human IFN-γ protein levels. Purified NIB42 antibody can be paired with biotinylated 4S.B3 (Cat. No. 554550) as the detection antibody along with recombinant human IFN-γ (Cat. No. 554617) as the standard. Investigators are highly encouraged, when measuring human IFN-γ in serum or plasma, to utilize BD OptEIA™ Human IFN-γ ELISA Set (Cat. No. 555142) or BD OptEIA™ Human IFN-γ ELISA Kit II (Cat. No. 550612).

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
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<tbody>
<tr>
<td>554617</td>
<td>Recombinant Human IFN-γ</td>
<td>50 µg</td>
<td>(none)</td>
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<tr>
<td>554721</td>
<td>Purified NA/LE Mouse IgG1 κ Isotype Control</td>
<td>0.5 mg</td>
<td>107.3</td>
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<tr>
<td>551221</td>
<td>Purified Mouse Anti-Human IFN-γ</td>
<td>1.0 mg</td>
<td>NIB42</td>
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<tr>
<td>554550</td>
<td>Biotin Mouse Anti-Human IFN-γ</td>
<td>0.5 mg</td>
<td>4S.B3</td>
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<td>555142</td>
<td>Human IFN-γ ELISA Set</td>
<td>20 plates</td>
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<tr>
<td>550612</td>
<td>Human IFN-γ ELISA Kit II</td>
<td>2 plates</td>
<td>(none)</td>
</tr>
</tbody>
</table>

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.

References


BD Biosciences

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