Anti-Human IFNA1 Antibody [K92003_15B9]

Catalog No. K92003C15B09C

Overview

Product name: Anti-Human IFNA1 Antibody [K92003_15B9]
Antibody specificity: Interferon alpha 1 (IFN-alpha-1)
Species reactivity: Human
Clonality: Monoclonal
Clone number: K92003_15B9
Host / isotype: Mouse / IgG2b
Immunogen: Recombinant human IFNA1
Cross reactivity: Not tested

Kinetic characterization by BLI (biolayer interferometry)
Association rate constant ($k_{on}$): $8.96 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$
Dissociation rate constant ($k_{off}$): $5.55 \times 10^{-4} \text{ s}^{-1}$
Equilibrium dissociation constant ($K_D$): $6.20 \times 10^{-1} \text{ M}$

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>
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<tr>
<th>Application</th>
<th>Recommended concentration</th>
<th>Note</th>
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<tbody>
<tr>
<td>Indirect ELISA</td>
<td>1 µg/mL</td>
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<tr>
<td>Sandwich ELISA</td>
<td>3 µg/mL</td>
<td>K92003_15B9 can pair with peroxidase conjugated K92003_3A1 for sandwich ELISA. K92003_15B9 is used as the capture antibody.</td>
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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: Interferon alpha 1
Gene name: IFNA1
UniProt Accession: P01562
Organism: Homo sapiens (Human)

Paired antibody information
K92003_15B9 may pair with K92003_3A1, K92003_3C6, K92007_3B4, K92003_5H4, K92003_1D8 and K92003_3A12 for sandwich based immune assays.
Sandwich ELISA

Microtiter wells were coated with K92003_15B9 at 3 µg/mL as the capture antibody. IFNA1 (Cat. P00703PB) was used as the antigen. Peroxidase conjugated mouse anti-human IFNA1 monoclonal antibody (K92003_3A1) was used as the detection antibody. Result: K92003_15B9 and K92003_3A1 can be used as a matched antibody pair to detect and quantify the concentration of IFNA1.