

Datasheet: AHP3013

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|----------------------|---|
| Description: | RABBIT ANTI SARS-CoV-2 SPIKE PROTEIN S1 |
| Specificity: | SARS-CoV-2 SPIKE PROTEIN S1 |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | IgG |
| Quantity: | 0.1 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|----------------------|
| Immunohistology - Paraffin | ▪ | | | 0.5 ug/ml |
| ELISA | ▪ | | | 1000 ng/ml - 8 ng/ml |
| Western Blotting | ▪ | | | 1 ug/ml |
| Immunocytochemistry | ▪ | | | 5 ug/ml |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

| | |
|---------------------------------------|---|
| Target Species | Viral |
| Product Form | Purified IgG - liquid |
| Preparation | Rabbit polyclonal antibody purified by affinity chromatography |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.02% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | 1.0 mg/ml |
| Immunogen | Peptide corresponding to 16 amino acids near the amino terminus of SARS-CoV-2 (COVID-19) Spike S1 glycoprotein. |

The immunogen is located within the first 50 amino acids of SARS-CoV-2 (COVID-19) Spike S1 protein.

External Database Links

UniProt:

[P0DTC2](#) [Related reagents](#)

Specificity

Rabbit anti SARS-CoV-2 spike protein S1 antibody recognizes spike glycoprotein S1, also known as S glycoprotein, peplomer protein and E2.

Human coronaviruses are pathogens that can cause severe respiratory tract infections. SARS-CoV-2 is a novel human coronavirus characterized in 2020, and causes "coronavirus disease 2019" or "COVID-19" (Xu et al. 2020). The spike glycoproteins of coronaviruses are incorporated into the viral envelope and promote entry into cells (Walls et al. 2020). The spike glycoprotein of SARS-CoV-2 is comprised of two subunits called S1 and S2. The S1 protein binds to a receptor on human cells, and the transmembrane unit S2 helps fuse the viral membrane with a cellular membrane (Hoffmann et al. 2020). Specifically, both SARS-CoV and SARS-CoV-2 spike proteins contain a receptor-binding domain (RBD) that recognize the same receptor, ACE2, on human cells (Shang et al. 2020). This antibody recognizes the spike S1 protein of SARS-CoV-2.

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)

[FITC](#)

Sheep Anti Rabbit IgG (STAR35...)

[RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...)

[Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Goat Anti Rabbit IgG (H/L) (STAR124...)

[HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M391383:211012'

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