

SARS-CoV-2 Multiplex ELISA Kits

To aid in the line of research of SARS-CoV-2, Quansys Biosciences has developed multiplex ELISAs that measure antibody responses towards SARS-CoV-2 as well as the cytokine and chemokine responses relevant to viral infection.

Antibody Responses

Researchers discovered early on that protective antibody responses against SARS-CoV-2 focused on the spike glycoproteins S1 and S2. Capitalizing on this discovery, all currently available vaccines target S1 and S2 for immune responses. To help measure a person's antibody response to infection or vaccination the following kits were developed.



Q-Plex™ SARS-CoV-2 Human IgG (4-Plex)

Catalog Number: 691649HU

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- Detects IgG class antibodies specific for SARS-CoV-2 S1 and S2 subunits of the spike glycoproteins in human serum or plasma samples
- S1 and S2 antigens are produced in HEK293 cells and purified with a sheep Fc-tag
- Measures responses to the sheep Fc-tag to ensure to no cross-reactivity in the sample as well as an anti-human IgG as negative and positive controls, respectively
- Improved clinical performance results when the S1 and S2 assays are considered together rather than as single assays
- Qualitative results on antibodies specific for SARS-CoV-2
- Emergency Use Authorization by the FDA



Q-Plex™ SARS-CoV-2 Human IgG Quantitative (4-Plex)

Catalog Number: 711649HU

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- Detects IgG class antibodies specific for SARS-CoV-2 S1 and S2 spike glycoproteins
- Quantifies IgG antibodies as arbitrary units per milliliter which allows for more precise measurement of the immune response.
- S1 and S2 antigens are produced in HEK293 and purified with a sheep Fc-tag
- Measures responses to the sheep Fc-tag to ensure to cross-reactivity in the sample as well as an anti-human IgG as negative and positive controls

Visit our [website](#) to learn more about our [available assays](#), options for [building your own assay](#), [custom development](#), and [more](#).



Q-Plex™ SARS-CoV-2 Human IgG (5-Plex)

Catalog Number: 721649HU

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- Detects antibodies specific to the SARS-CoV-2 nucleocapsid protein, as well as the S1 and S2 subunits of the spike glycoprotein
- The nucleocapsid distinguishes the source of the antibodies from vaccination or infection
- Useful tool in seroprevalence studies as well as studies elucidating the immune response in different patients