

Reliable Antibodies to Develop High-Quality Serological Assays

SARS-CoV-2 (the causative agent of COVID-19) is a positive-strand RNA virus that causes severe respiratory distress in humans. This infection is characterized by a cluster of symptoms and is diagnosed by performing polymerase chain reaction (PCR) to confirm the presence of SARS-CoV-2 in subject samples.

Antibody-based serology tests are useful in identifying subjects with an adaptive immune response to the SARS-CoV-2 virus and indicates recent or prior infection. However, the sensitivity of antibody detection can vary depending on the period when the blood sample is collected after infection. The antibody response to

SARS-CoV-2 infection starts with IgM and/or IgA antibodies being detected first, followed by the longer-lasting and more-specific IgG response. Immunocompromised individuals may show diminished IgG response.

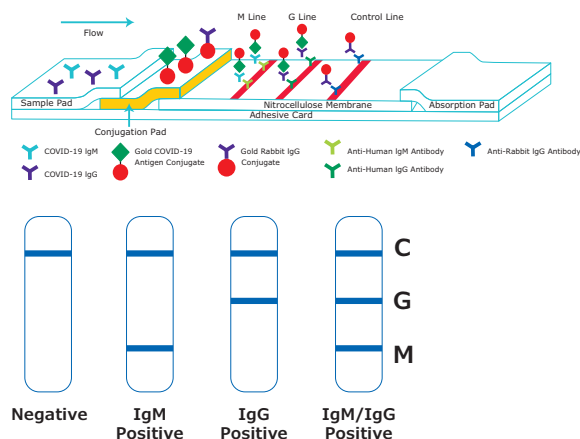
We provide a vast selection of antibodies for the detection of IgM, IgA, and IgG that can be used to develop ELISA and other sensitive tests in your own laboratory. These antibodies allow for quick and simple, yet reliable assays with easy readouts and can also be adapted for high-throughput screening. Research Use Only. Not For Use in Diagnostic Procedures.

Selected Anti-Human IgM Antibodies

IgM is a pentameric immunoglobulin and is produced early in the immune response following exposure to SARS-CoV-2 and other viruses. Hence, a positive IgM test indicates that an individual has been infected and

that the immune system has initiated a response to the virus. IgM levels subsequently decrease as the body increases the production of IgG that specifically targets the virus.

Cat. No.	Product Description	Type	Applications	Size
SAB3701403	Anti-Human IgM (Fc5 μ) -Fluorescein Conjugate	Rabbit Polyclonal	ELISA, IF	1.5 mg
401902	Anti-Human IgM (μ -Chain Specific)- Alkaline Phosphatase Conjugate	Goat Polyclonal	ELISA, IE	1 mL
A3437	Anti-Human IgM (μ -chain specific) –Alkaline Phosphatase Conjugate	Goat Polyclonal	DB, ELISA, IHC, WB	0.25 mL 0.5 mL 1.0 mL
SAB3701398	Anti-Human IgM (Fc5 μ), F(ab') ₂ fragment-Rhodamine Conjugate	Goat Polyclonal	ELISA, IF	1 mg
A0420	Anti-Human IgM (μ -chain specific) –Peroxidase conjugate	Goat Polyclonal	DB, ELISA, IHC	1 mL
B1265	Anti-Human IgM (μ -chain specific) –Biotin conjugate	Goat Polyclonal	ELISA	0.2 mL 0.5 mL



Selected Anti-Human IgA Antibodies

IgA comprises about 15% of all human immunoglobulins and is secreted mainly by mucosal lymphoid tissues. It acts to neutralize invading organisms in mucosal secretions and prevent their entry into circulation.

IgA provides localized antibody protection on mucosal surfaces by preventing the attachment and penetration of microorganisms. Both mucosal and systemic IgA may play a critical role in COVID-19 disease pathogenesis.

Cat. No.	Product Description	Type	Applications	Size
A0295	Anti-Human IgA (α-chain specific)- Peroxidase Conjugate	Goat Polyclonal	DB, ELISA, IHC, WB	1 mL
A9669	Anti-Human IgA (α-chain specific) –Alkaline Phosphatase Conjugate	Goat Polyclonal	DB, ELISA, IHC	1 mL
SAB3701228	Anti-Human IgA (α-chain specific), F(ab') ₂ fragment-Fluorescein Conjugate	Goat Polyclonal	ELISA, IF	1 mg
SAB3701233	Anti-Human IgA (α-chain specific)-Alkaline Phosphatase	Rabbit Polyclonal	ELISA, IHC, WB	1 mg
SAB3701237	Anti-Human IgA (α-chain specific)-Rhodamine Conjugate	Rabbit Polyclonal	ELISA, IF	1 mg

Selected Anti-Human IgG Antibodies

IgG is the major immunoglobulin present in the blood and extracellular spaces. It represents about 70% to 75% of the total human immunoglobulin content. Although IgG levels are low or undetectable up to day 4

following a SARS-CoV-2 infection, tests can detect IgG within days in subjects who have been infected. IgG persists in the blood after the infection is cleared.

Cat. No.	Product Description	Type	Applications	Size
A9544	Anti-Human IgG (Fc specific) –Alkaline Phosphatase conjugate	Goat Polyclonal	DB, ELISA, IHC	0.25 mL 0.5 mL 1.0 mL
A0170	Anti-Human IgG (Fc specific) –Peroxidase conjugate	Goat Polyclonal	DB, ELISA, IHC	1 mL
A0293	Anti-Human IgG (Fab specific) -Peroxidase conjugate	Goat Polyclonal	DB, ELISA, IHC, WB	1 mL
A8419	Anti-Human IgG (γ-chain specific) -Peroxidase conjugate	Goat Polyclonal	DB, ELISA, IHC	2 mL
A8667	Anti-Human IgG (whole molecule) -Peroxidase conjugate	Goat Polyclonal	DB, ELISA, IHC	2 mL
B3773	Anti-Human IgG (Fc specific)-Biotin conjugate, clone HP-6017	Mouse Monoclonal	ELISA	0.2 mL 0.5 mL
A2290	Anti-Human IgG (γ-chain specific), F(ab') ₂ fragment–Peroxidase conjugate	Goat Polyclonal	ELISA, WB	1 mL
SAB3701280	Anti-Human IgG (Fc specific)-Fluorescein conjugate	Rabbit Polyclonal	ELISA, IF	2 mg
SAB3701285	Anti-Human IgG (Fc specific)-Rhodamine conjugate	Rabbit Polyclonal	ELISA, FACS, IF	2 mg
A2064	Anti-Human IgG–Alkaline Phosphatase conjugate, clone GG-5	Mouse Monoclonal	DB, ELISA, IHC, WB	0.1 mL 1.0 mL
B3398	Anti-Human IgG ₂ –Biotin conjugate, clone HP-6014	Mouse Monoclonal	ELISA	0.2 mL 0.5 mL
B3523	Anti-Human IgG ₃ –Biotin conjugate, clone HP-6014	Mouse Monoclonal	ELISA	0.2 mL 0.5 mL
SAB4200770	Anti-Human IgG ₄ -Peroxidase conjugate, clone HP-6025	Mouse Monoclonal	ELISA	1 vial

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