



Source

HRP-Anti-SARS-CoV-2 Spike RBD Antibody, Mouse IgG1 (9A6A11) (XBB.1.5/Omicron Specific) is isolated from a Spike RBD infected Mouse and is recombinantly produced from human 293 cells (HEK293)

Clone

9A6A11

Species

Mouse

Isotype

Mouse IgG1 | Mouse Kappa

Conjugate

HRP-Conjugated

Antibody Type

Recombinant Monoclonal

Immunogen

Recombinant SARS-CoV-2 Spike RBD Protein (XBB.1.5/Omicron) erived from human 293 cells

Specificity

This product is a specific antibody specifically reacts with SARS-CoV-2 Spike RBD Protein, His Tag (XBB/Omicron). No cross-reactivity is detected with Spike RBD of WT (Cat. No. SPD-C52H3), Alpha (Cat. No. SPD-C52Hn), Beta (Cat. No. SPD-C52Hp), Gamma (Cat. No. SPD-C52Hr), Delta (Cat. No. SPD-C52Hh), B.1.1.529/Omicron (Cat. No. SPD-C522e), BA.2/Omicron (Cat. No. SPD-C522g), BA.3/Omicron, BA.4&5Omicron (Cat. No. SPD-C522r), BA.2.12.1/Omicron, BA.2.75/Omicron (Cat. No. SPD-C522t), BF.7&BA.4.6/Omicron (Cat. No. SPD-C522y), BQ.1.1/Omicron (Cat. No. SPD-C5240).

Application

Application	Recommended Usage
ELISA	3-400 ng/mL

Purity

>90% as determined by SDS-PAGE.

Purification

Protein A purified / Protein G purified

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

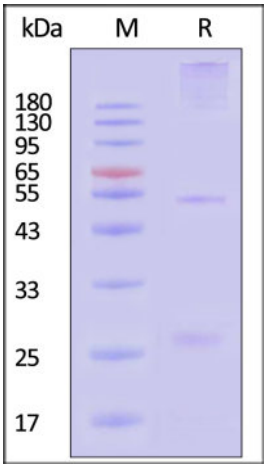
Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

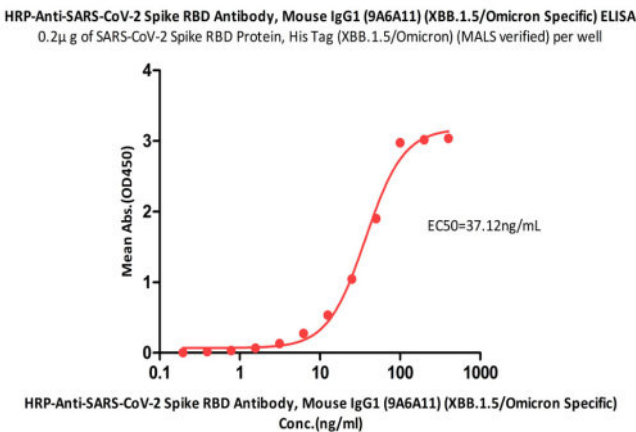
SDS-PAGE





HRP-Anti-SARS-CoV-2 Spike RBD Antibody, Mouse IgG1 (9A6A11) (XBB.1.5/Omicron Specific) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA



Immobilized SARS-CoV-2 Spike RBD Protein, His Tag (XBB.1.5/Omicron) (MALS verified) (Cat. No. SPD-C5242) can bind HRP-Anti-SARS-CoV-2 Spike RBD Antibody, Mouse IgG1 (9A6A11) (XBB.1.5/Omicron Specific) (Cat. No. SPD-PLS298) with a linear range of 1.563-50ng/mL (QC tested).

Background

It's been reported that Coronavirus can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

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