

SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866]

Cat. No. GTX637591

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	ICC/IF, ELISA, Neutralizing/Inhibition, Sandwich ELISA
Reactivity	SARS Coronavirus 2

Package

100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
ICC/IF	Assay dependent
ELISA	Assay dependent
Neutralizing/Inhibition	Assay dependent
Sandwich ELISA	Assay dependent

Note : Capture : GTX635807, Detection : GTX637591. Please notice that GTX637591 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635807. Please contact us for custom HRP-conjugated antibody.

Not tested in other applications.

Product Note

This antibody is able to detect multiple SARS-CoV-2 Omicron variants, including BA.1, BA.2, BA.4, BA.5, and XBB.1.5. Our internal testing indicates no cross-reactivity with Alpha, Beta, Gamma, and Delta variants.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Full length SARS-coV-2 RBD recombinant protein. (Omicron BA.4/BA.5)
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated



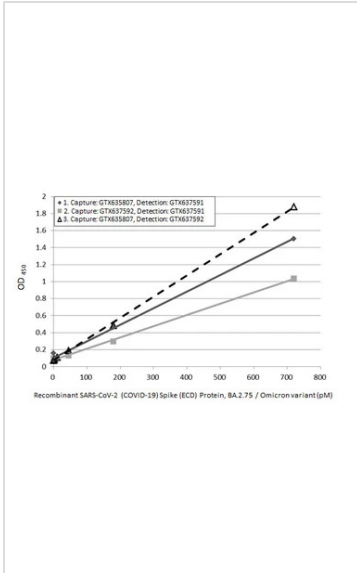
For full product information, images and publications, please visit our [website](#).

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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

GTX637591 ELISA Image

Sandwich ELISA detection of SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.2.75 variant, His tag (GTX137533-pro) using ELISA pairs below.

Pair 1:

Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (GTX637591) (1 µg/mL)

Pair 2:

Capture: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (GTX637592) (5 µg/mL)

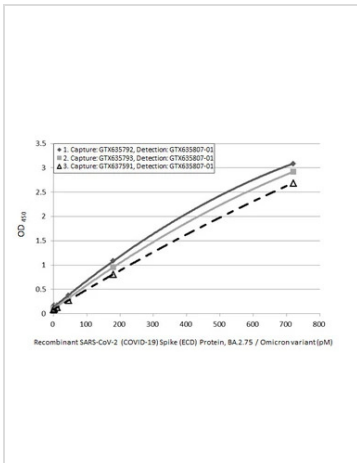
Detection: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (GTX637591) (1 µg/mL)

Pair 3:

Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (GTX637592) (1 µg/mL)

Please notice that GTX637591 and GTX637592 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635807 and GTX637592. Please contact us for custom HRP-conjugated antibody.


GTX637591 ELISA Image

Sandwich ELISA detection of SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.2.75 variant, His tag (GTX137533-pro) using ELISA pairs below.

Pair 1:

Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (GTX635792) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (HRP) (GTX635807-01) (1 µg/mL)

Pair 2:

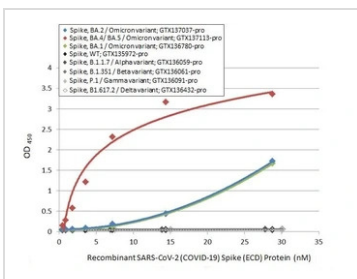
Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1004] (GTX635793) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (HRP) (GTX635807-01) (1 µg/mL)

Pair 3:

Capture: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (GTX637591) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (HRP) (GTX635807-01) (1 µg/mL)


GTX637591 ELISA Image

Indirect ELISA analysis was performed by coating the plate with recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.1.7 Alpha variant; B.1.351 Beta variant; P.1 Gamma variant; B.1.617.2 Delta variant; BA.1 Omicron variant; BA.2 Omicron variant; BA.4/BA.5 Omicron variant) (28.78-0.45 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (GTX637591) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect the bound primary antibody.



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