# SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867]

## Cat. No. GTX637592

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

References ( 1 )
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 : GTX637592. Please notice that GTX637592 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.2, BA.4, and BA.5. Our internal testing indicates no cross-reactivity with Alpha, Beta, Gamma, Delta, and Omiron BA.1 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 4ºC. For long-term storage, aliquot and store at -20ºC 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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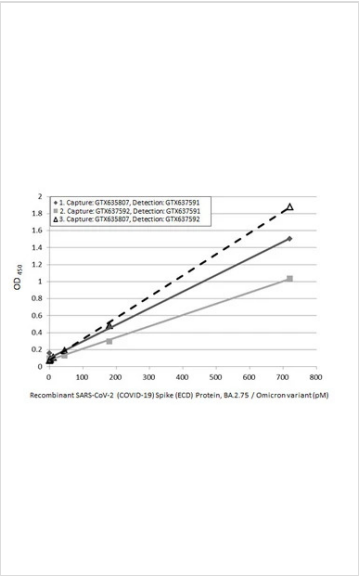
**Note**

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

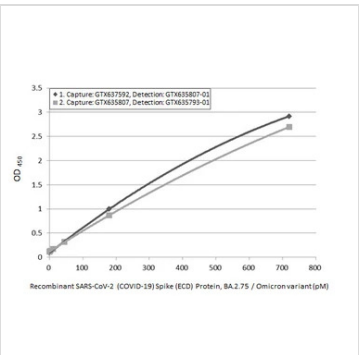
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES



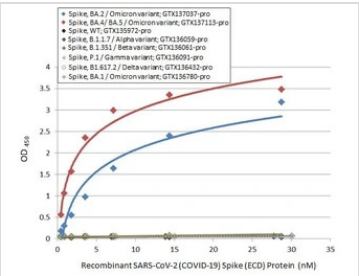

### GTX637592 ELISA Image

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.




### GTX637592 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 Omicron antibody [HL1867] (GTX637592) (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 [HL1014] (GTX635807) (5 µg/mL)
**Detection:** SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1004] (HRP) (GTX635793-01) (1 µg/mL)




### GTX637592 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; B1.617.2 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 [HL1867] (GTX637592) (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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