

## 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                                     |

## 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 Omicron BA.1 variants.

## Properties

|               |  |
|---------------|--|
| Form          | Liquid   |
| Buffer        | PBS  |
| Preservative  | No preservative  |
| 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](#).

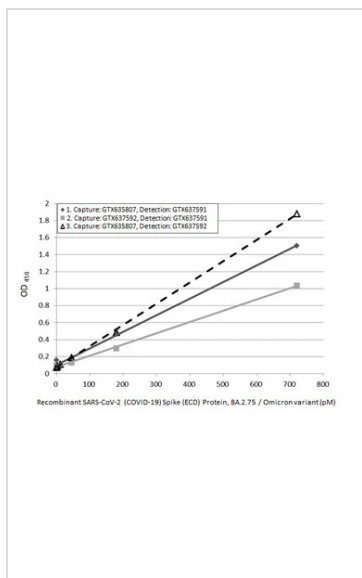
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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

### 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



#### 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)

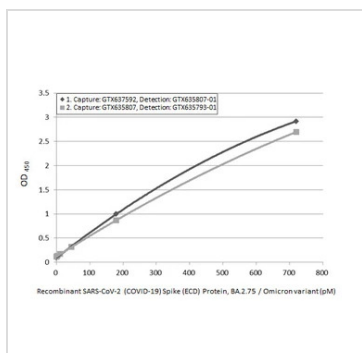
**Detection:** SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (GTx637591) (1 µg/mL)

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:

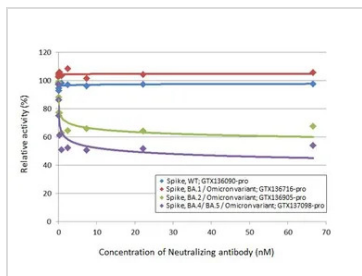
**Capture:** SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (GTx637592) (5 µg/mL)

**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 Neutralizing/Inhibition Image

Inhibition analysis of immobilized recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; BA.1 Omicron variant; BA.2 Omicron variant; BA.4/BA.5 Omicron variant) (coated at 2 µg/mL) binding to soluble recombinant Human ACE2 (ECD) protein, mouse IgG Fc tag (active) (GTx135683-pro) (1000 ng/mL) binding was inhibited by increasing concentrations of SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (GTx637592) (0.09-66.67 nM). Bound was detected by Goat Anti-Mouse IgG antibody (HRP) (GTx213111-01) (1:10000).



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