

## SARS-CoV-2 (COVID-19) Spike RBD Protein, Omicron / XBB variant, His tag

## Cat. No. GTX138115-pro

Applications	ELISA, Sandwich ELISA	References ( 2 )
Species	SARS Coronavirus 2	Package 100 µg

## Applications

## Application Note

Recommended antibody pairs for sandwich ELISA: Capture : GTX635807, Detection : GTX635793-01 / GTX637591

## Properties

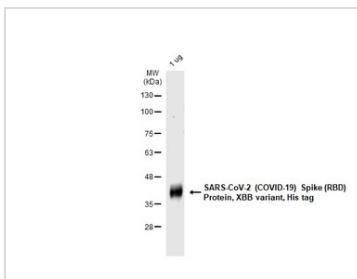
Form	Liquid
Buffer	PBS, 2% Trehalose, 5% Mannitol, 0.01% Tween-80
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. For long-term storage after reconstitution, aliquot and store at -70°C or below. Do not vortex.
Concentration	0.4 mg/ml (Please refer to the vial label for the specific concentration.)
Region/Sequence	SARS-CoV-2 Spike RBD of QHD43416.1 (319-541 a.a.) with R346T, G339H, L368I, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, V445P, G446S, N460K, S477N, T478K, E484A, F486S, F490S, Q498R, N501Y, Y505H and a C-terminal His tag.
Expression System	HEK293 cells
Purity	>95%
Conjugation	Unconjugated
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.



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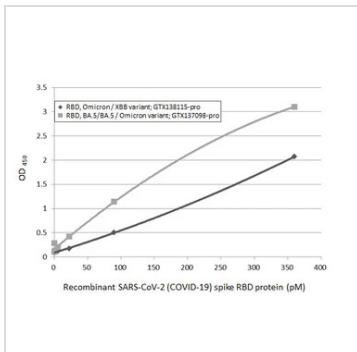
Date 2026 / 02 / 01 Page 1 of 2

## DATA IMAGES



## GTX138115-pro Image

GTX138115-pro SARS-CoV-2 (COVID-19) Spike (RBD) Protein, XBB variant, His tag was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



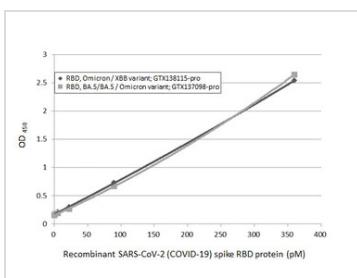
## GTX138115-pro ELISA Image

Sandwich ELISA detection of recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; BA.4/ BA.5 Omicron variant; Omicron / XBB variant) using antibodies as below.

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

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

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.

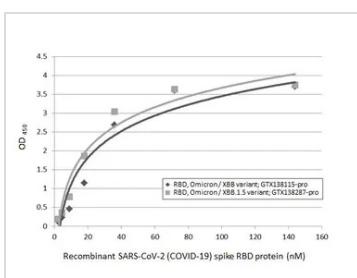


## GTX138115-pro ELISA Image

Sandwich ELISA detection of recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; BA.4/ BA.5 Omicron variant; Omicron / XBB variant) using antibodies as below.

**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)



## GTX138115-pro ELISA Image

Indirect ELISA analysis was performed by coating the plate with recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., Omicron / XBB variant; Omicron / XBB.1.5 variant) (143.88-2.25 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) (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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Date 2026 / 02 / 01 Page 2 of 2