# SARS-CoV-2 Membrane Protein Proximity Ligation Assay (PLA) Kit (Cy3)

## Cat. No. GTX537371-23

| | |
|---|---|
| **Applications** | PLA |
| **Reactivity** | SARS Coronavirus 2 |

Package
5 test

## PRODUCT

**Content**

| Item | Name | Quantity | Storage |
|---|---|---|---|
| A1 | Blocking Solution, 10 mL | 2 bottles | -20 °C |
| A2 | Antibody (Ab)-Oligo A, 40 µL | 1 tube | -20 °C |
| A3 | Antibody (Ab)-Oligo B, 40 µL | 1 tube | -20 °C |
| A4 | Ligase (400 U/µL), 10 µL | 1 tube | -20 °C |
| A5 | 5x Ligation Solution, 500 µL | 1 tube | -20 °C |
| A6 | Polymerase (10 U/µL), 10 µL | 1 tube | -20 °C |
| A7 | 5x Amplification Solution, 500 µL | 1 tube | -20 °C |
| A8 | Detection Probe (Cy3), 50 µL | 1 tube | -20 °C |
| B1 | 10x Probe Solution, 200 µL | 1 tube | 4°C or below |
| B2 | 20x Wash Buffer, 50 mL | 2 bottles | 4°C or below |

**Summary**

The SARS-CoV-2 Membrane Protein Proximity Ligation Assay (PLA) Kit (Cy3) enables the detection of SARS-CoV-2 membrane protein in virus-infected tissue or infected/transfected cell block samples. The viral membrane protein is detected using two oligonucleotide-conjugated primary antibodies, called PLA probes. Only when both PLA probes bind to the membrane protein can the assay generate an amplified signal. This provides researchers with a highly specific and sensitive diagnostic tool.

## Applications

**Application Note**

Please see the protocol for detailed procedure.

**Product Note**

This PLA kit detects SARS-CoV-2 membrane protein.

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Storage** | Individual components are stored at -20°C or 4°C as indicated. |

For full product information, images and publications, please visit our website.



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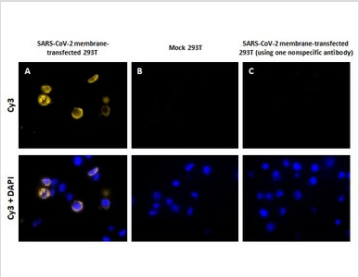
| | |
|---|---|
| **Conjugation** | Cyanine3 (Cy3) Wavelength |
| **Note** | For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.<br><br>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product. |

## DATA IMAGES




**GTX537371-23 PLA Image**

Detection of SARS-CoV-2 (COVID-19) membrane protein in a transfected HEK293T cell FFPE Cell Pellet Block (GTX435640) section using the SARS-CoV-2 Membrane Protein Proximity Ligation Assay Kit (Cy3) (GTX537371-23). PLA signals appear yellow and nuclei are blue.
A) Positive PLA reaction in transfected HEK293T cells.
B) Negative control with mock-transfected HEK293T cells.
C) Negative control using one non-specific PLA antibody probe in transfected HEK293T cells.

**GTX537371-23 Image**

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