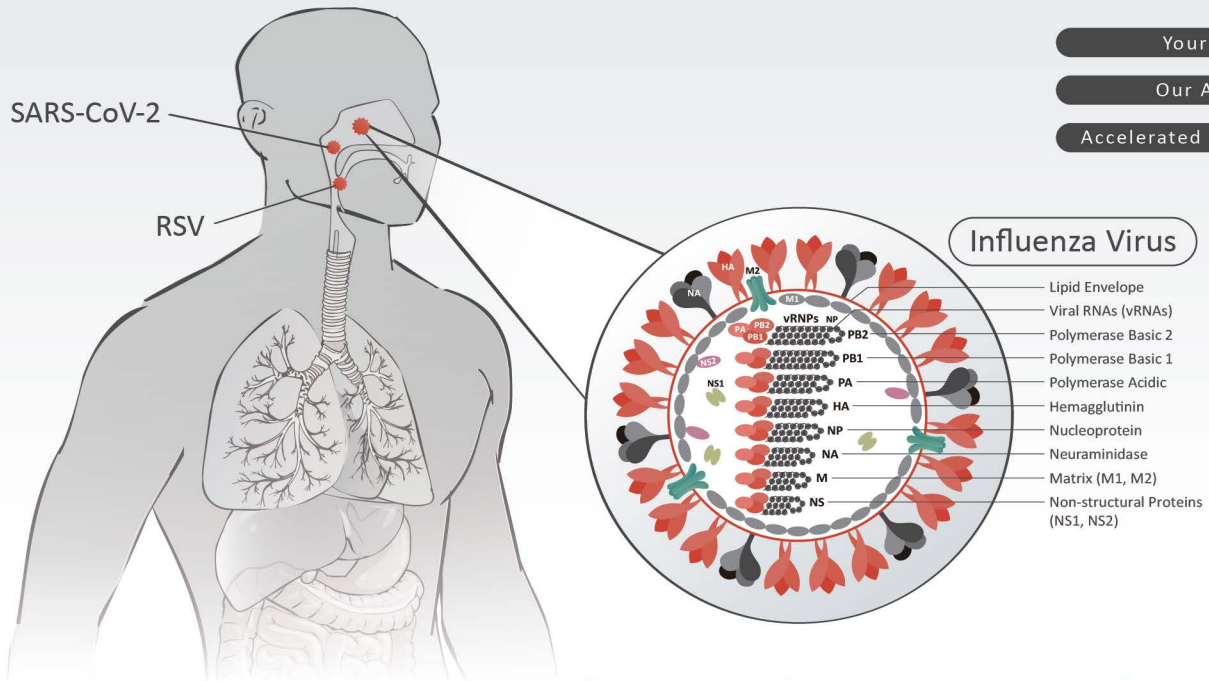


# Lateral Flow Antibody Pairs for Respiratory Infectious Disease



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Citation Support Recombinant Comparable Abs Orthogonal Validation

## Influenza A Virus (FluA)

### Samples :

1. Influenza A virus Nucleoprotein (A/California/2009 (H1N1)) (GTX135904-pro)
2. Influenza A virus Nucleoprotein (A/Hong Kong/2671/2019 (H3N2)) (GTX136317-pro)
3. Lysis buffer

#### Recommended Pair for Lateral Flow Assay

##### Influenza A Virus Pair 1

Detection: Clone HL1953 (GTX637790)

Capture: Clone HL1078 (GTX636199)

#### Recommended Pair for Lateral Flow Assay

##### Influenza A Virus Pair 2

Detection: Clone HL1953 (GTX637790)

Capture: Clone HL1089 (GTX636247)

## Influenza B Virus (FluB)

### Samples :

1. Influenza B virus Nucleoprotein (B/Victoria/02/1987) (GTX136277-pro)
2. Influenza B virus Nucleoprotein (B/Sydney/3/2004) (GTX135867-pro)
3. Lysis buffer

#### Recommended Pair for Lateral Flow Assay

##### Influenza B Virus Pair

Detection: Clone HL1068 (GTX636099)

Capture: Clone HL1069 (GTX636100)

#### Recommended Pair for Lateral Flow Assay

##### Influenza B Virus Pair

Detection: Clone HL1068 (GTX636099)

Capture: Clone HL1073 (GTX636194)

H1N1 H3N2 N



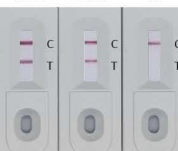
1 2 3

H1N1 H3N2 N



1 2 3

VIC SYD N



1 2 3

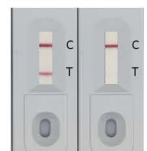
VIC SYD N



1 2 3

## SARS-CoV-2 (COVID-19)

SARS-CoV-2 N



1 2

### Samples :

1. SARS-CoV-2 (COVID-19) Nucleocapsid protein (GTX135592-pro)
2. Lysis buffer

#### Recommended Pair for Lateral Flow Assay

##### SARS-CoV-2 Pair 1

Detection: Clone HL448 (GTX635686)

Capture: Clone HL455 (GTX635688)

SARS-CoV-2 N



1 2

### Samples :

1. SARS-CoV-2 (COVID-19) Nucleocapsid protein (GTX135592-pro)
2. Lysis buffer

#### Recommended Pair for Lateral Flow Assay

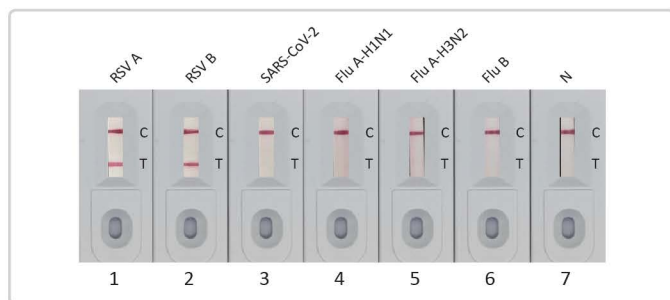
##### SARS-CoV-2 Pair 2

Detection: Clone HL5410 (GTX635685)

Capture: Clone HL455 (GTX635688)

Note: These pairs can detect the Omicron subvariants.

## Respiratory Syncytial Virus (RSV)



### Samples :

1. RSV type A Nucleoprotein (GTX136751-pro)
2. RSV type B Nucleoprotein (GTX136931-pro)
3. SARS-CoV-2 Nucleocapsid protein (GTX135592-pro)
4. FluA (H1N1) Nucleoprotein (GTX135904-pro)
5. FluA (H3N2) Nucleoprotein (GTX135903-pro)
6. FluB Nucleoprotein (GTX136277-pro)
7. Lysis buffer

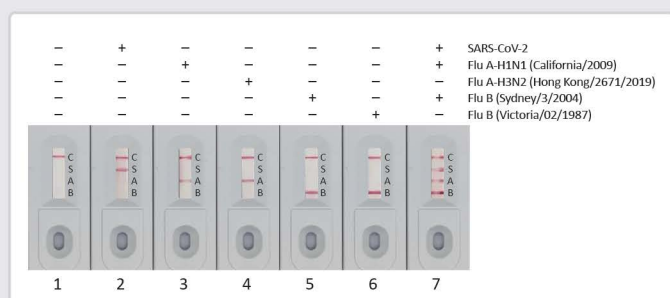
### Recommended Pair for Lateral Flow Assay

#### Respiratory Syncytial Virus Pair 1

Detection: Clone HL1246 (GTX636648)

Capture: Clone HL1248 (GTX636650)

## 3-in-1 Rapid Test (SARS-CoV-2, Influenza A virus, Influenza B virus)



### Samples:

1. Lysis buffer
2. SARS-CoV-2 (COVID-19) Nucleocapsid protein, His tag (GTX135592-pro)
3. Influenza A virus Nucleoprotein (A/California/2009 (H1N1)) (GTX135904-pro)
4. Influenza A virus Nucleoprotein (A/Hong Kong/2671/2019 (H3N2))(GTX136317-pro)
5. Influenza B virus Nucleoprotein (B/Sydney/3/2004), DDDDK Tag (GTX135867-pro)
6. Influenza B virus Nucleoprotein (B/Victoria/02/1987), DDDDK Tag (GTX136277-pro)
7. Mixture of SARS-CoV-2, Flu A-H1N1 and Flu B Nucleoprotein

### Recommended Pair for Lateral Flow Assay

| Target         | Detection                | Capture                  |
|----------------|--------------------------|--------------------------|
| SARS-CoV-2 (S) | Clone HL448 (GTX635686)  | Clone HL455 (GTX635688)  |
| Flu A (A)      | Clone HL1953 (GTX637790) | Clone HL1078 (GTX636199) |
| Flu B (B)      | Clone HL1068 (GTX636099) | Clone HL1073 (GTX636194) |

## Featured Recombinant Proteins

| Target      | Cat. No.      | Product Name                                                              | Expression System |
|-------------|---------------|---------------------------------------------------------------------------|-------------------|
| Influenza A | GTX135868-pro | Influenza A Virus Nucleoprotein (A/WSN/1933 (H1N1)), DDDDK Tag            | HEK293            |
|             | GTX135904-pro | Influenza A Virus Nucleoprotein (A/California/2009 (H1N1)), DDDDK Tag     | HEK293            |
|             | GTX136317-pro | Influenza A Virus Nucleoprotein (A/Hong Kong/2671/2019 (H3N2)), DDDDK Tag | HEK293            |
|             | GTX135903-pro | Influenza A Virus Nucleoprotein (A/Kansas/2017/H3N2), DDDDK Tag           | HEK293            |
| Influenza B | GTX135867-pro | Influenza B Virus Nucleoprotein (B/Sydney/3/2004), DDDDK Tag              | HEK293            |
|             | GTX136277-pro | Influenza B Virus Nucleoprotein (B/Victoria/02/1987), DDDDK Tag           | HEK293            |
| SARS-CoV-2  | GTX135592-pro | SARS-CoV-2 Nucleocapsid protein, His tag                                  | HEK293            |
|             | GTX136779-pro | SARS-CoV-2 Nucleocapsid protein, Omicron / BA.1 variant, His tag          | HEK293            |
|             | GTX137219-pro | SARS-CoV-2 Nucleocapsid protein, Omicron / BA.2 / BA.5 variant, His tag   | HEK293            |
|             | GTX137882-pro | SARS-CoV-2 Nucleocapsid protein, Omicron / BF.7 variant, His tag          | HEK293            |
|             | GTX137883-pro | SARS-CoV-2 Nucleocapsid protein, Omicron / BQ.1 variant, His tag          | HEK293            |
| MERS-CoV    | GTX135653-pro | MERS-CoV Nucleocapsid protein, DDDDK tag                                  | HEK293            |
| RSV         | GTX136751-pro | Respiratory Syncytial Virus type A Nucleoprotein, DDDDK tag               | HEK293            |
|             | GTX136931-pro | Respiratory Syncytial Virus type B Nucleoprotein, DDDDK tag               | HEK293            |

