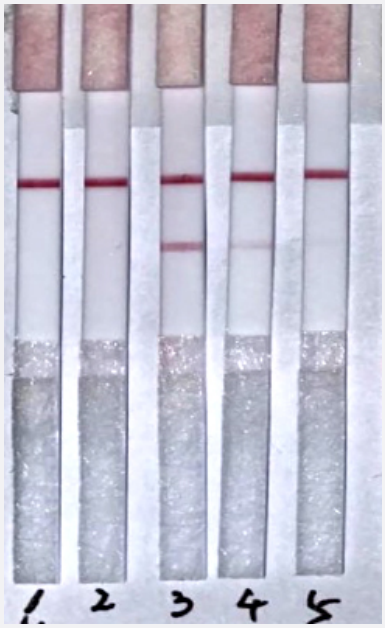
SARS-CoV-2 RecomAb™

# SARS-CoV-2 S RBD recombinant human antibody, clone 1A1

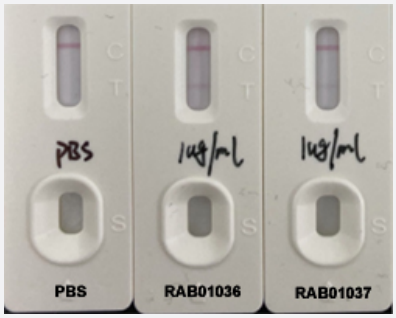
Catalog # RAB01037 Size 1 mg

## Applications




### Lateral-Flow Immunochromatographic Assay

1. Conjugate pad: Precoated with Cat # RAB01037 (SARS-CoV-2 S RBD recombinant human antibody, clone 1A1, need to conjugate with colloidal gold first) and Chicken IgY (need to conjugate with colloidal gold first)
2. T line: Cat # RAB01036 (SARS-CoV-2 S RBD recombinant human antibody, clone 2C1)
3. C line: Rabbit anti-chicken IgY
Lane 1: 1x PBS was added at the sample hole (Negative)
Lane 2: Lysis buffer was added at the sample hole (Negative)
Lane 3: S1 (SARS-CoV-2) RBD Recombinant Protein (Cat # P6630, 0.45 mg/mL) with dilution at 1:100 (Positive)
Lane 4: S1 (SARS-CoV-2) RBD Recombinant Protein (Cat # P6630, 0.45 mg/mL) with dilution at 1:500 (Positive)
Lane 5: S1 (SARS-CoV-2) RBD Recombinant Protein (Cat # P6630, 0.45 mg/mL) with dilution at 1:1000 (Weak Positive)
The minimum detectable value is 0.45 ug/mL for this lot.




Testing S1 (SARS-CoV-2) RBD Recombinant Protein (Cat # P6630) with Cat # RAB01036 - Cat # RAB01037 in lateral flow mmunoassay. The minimum detectable value for SARS-CoV-2 S RBD protein and antibody pair (Cat # RAB01036- Cat # RAB01037) is 1 ug/mL. Result zone of the Testing Strip indicates SARS-CoV-2 S RBD line (T line) and control line (C line).

## Specification

| | |
|---|---|
| **Product Description** | Human recombinant monoclonal antibody raised against partial recombinant SARS-CoV-2 S RBD. |

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| | |
|---|---|
| **Antibody Species** | Human |
| **Source / Expression System** | HEK293 |
| **Immunogen** | Original antibody is raised against recombinant protein corresponding to SARS-CoV-2 S1. |
| **Reactivity** | SARS-CoV-2 |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (CHO) expression system |
| **Purification** | Protein A purification |
| **Purity** | > 95% by HPLC & SDS-PAGE. |
| **Isotype** | IgG |
| **Quality Control Testing** | Testing results of lateral flow immunoassay<br>Testing S1 (SARS-CoV-2) RBD Recombinant Protein (Cat # P6630) with Cat # RAB01036 - Cat # RAB01037 in lateral flow mmunoassay. The minimum detectable value for SARS-CoV-2 S RBD prot ein and antibody pair (Cat # RAB01036- Cat # RAB01037) is 1 ug/mL. Result zone of the Testing St rip indicates SARS-CoV-2 S RBD line (T line) and control line (C line). |
| **Recommend Usage** | ELISA<br>Lateral-Flow Immunochromatographic Assay<br>The optimal working dilution should be determined by the end user. |
| **Matched Pair** | Capture Ab: RAB01036<br>Detection Ab: RAB01037 |
| **Storage Buffer** | In 0.01 M PBS |
| **Storage Instruction** | Store at -20°C for long term storage.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

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- Lateral-Flow Immunochromatographic Assay

1. Conjugate pad: Precoated with Cat # RAB01037 (SARS-CoV-2 S RBD recombinant human antibody, clone 1A1, need to conjugate with colloidal gold first) and Chicken IgY (need to conjugate with colloidal gold first)
2. T line: Cat # RAB01036 (SARS-CoV-2 S RBD recombinant human antibody, clone 2C1)
3. C line: Rabbit anti-chicken IgY

Lane 1: 1x PBS was added at the sample hole (Negative)
Lane 2: Lysis buffer was added at the sample hole (Negative)
Lane 3: S1 (SARS-CoV-2) RBD Recombinant Protein (Cat # P6630, 0.45 mg/mL) with dilution at 1:100 (Positive)
Lane 4: S1 (SARS-CoV-2) RBD Recombinant Protein (Cat # P6630, 0.45 mg/mL) with dilution at 1:500 (Positive)
Lane 5: S1 (SARS-CoV-2) RBD Recombinant Protein (Cat # P6630, 0.45 mg/mL) with dilution at 1:1000 (Weak Positive)
The minimum detectable value is 0.45 ug/mL for this lot.

- Enzyme-linked Immunoabsorbent Assay

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