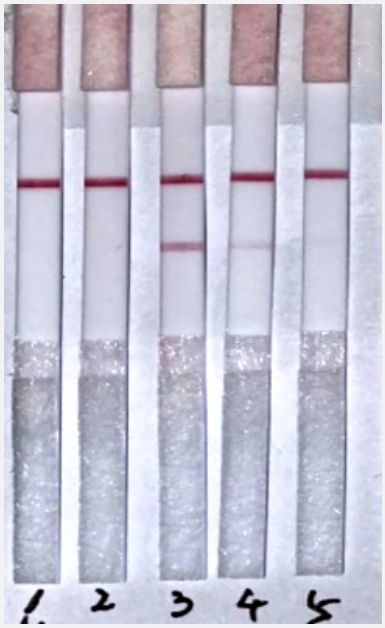
SARS-CoV-2 RecomAb™

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

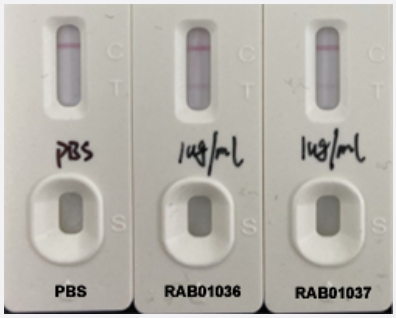
Catalog # RAB01037 Size 1 mg

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 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 Lateral-Flow Immunochromatographic Assay The optimal working dilution should be determined by the end user.
Matched Pair	Capture Ab: RAB01036 Detection Ab: RAB01037
Storage Buffer	In 0.01 M PBS
Storage Instruction	Store at -20°C for long term storage. Aliquot to avoid repeated freezing and thawing.

Applications

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- Lateral-Flow Immunochromatographic Assay

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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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