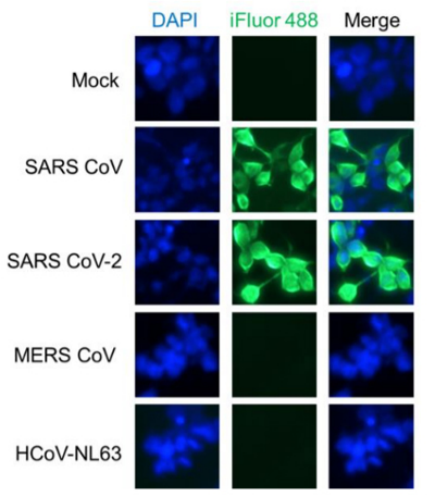
SARS-CoV-2 RecomAb™

SARS-CoV/SARS-CoV-2 N IgG1 recombinant human antibody

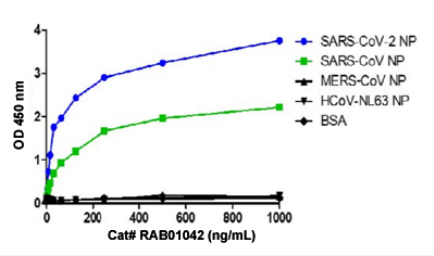
Catalog # RAB01042 Size 100 ug

Applications



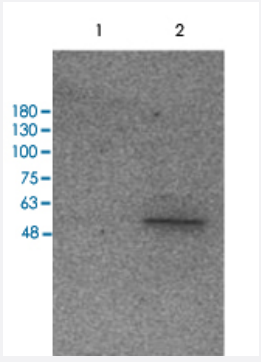
Immunofluorescence

Immunofluorescent staining of 293T cells were respectively transfected with SARS-CoV, SARS-CoV-2, MERS-CoV and HCoV-NL63 nucleocapsid plasmid and stained with this antibody (1:500).



Enzyme-linked Immunoabsorbent Assay

ELISA assay of this antibody to SARS-CoV-2 nucleocapsid protein, SARS-CoV nucleocapsid protein, MERS-CoV nucleocapsid protein, HCoV-NL63 nucleocapsid protein and BSA (BSA: negative control).



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 cells and Lane 2: transfected with SARS-CoV-2 VLP (Virus-like particle) were stained with this antibody at 1:1000 dilution.

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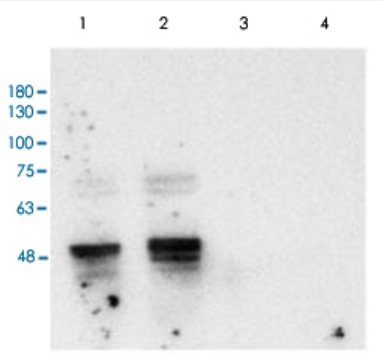

Western Blot analysis of different recombinant proteins were stained with this antibody at 1:1000 dilution. Lane 1: SARS-CoV-2 NP, Lane 2: SARS-CoV NP, Lane 3: MERS-CoV NP and Lane 4: HCoV-NL63 NP.

Multi-cycle kinetic analysis

Multi-cycle kinetic analysis

Multi-cycle kinetic analysis of this antibody to human SARS-CoV-2 Nucleocapsid protein by using Biacore T200.

Specification

Product Description	Human recombinant monoclonal antibody raised against SARS-CoV/SARS-CoV-2 N.
Antibody Species	Human
Source / Expression System	293
Reactivity	SARS-CoV, SARS-CoV-2
Specificity	This antibody recognizes human SARS Coronavirus Nucleocapsid protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification
Purity	> 98% (SDS-PAGE)
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Recombinant Proteins. Western Blot analysis of different recombinant proteins were stained with this antibody at 1:1000 dilu tion. Lane 1: SARS-CoV-2 NP, Lane 2: SARS-CoV NP, Lane 3: MERS-CoV NP and Lane 4: HCoV-NL63 NP.

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Recommend Usage	ELISA (1:5000-1:20000) Flow Cytometry (1:500-1:1000) Immunofluorescence(1:500-1:1000) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4
Storage Instruction	Store at 4°C for at least 6 months. For long term storage, store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	Multi-cycle kinetic analysis Multi-cycle kinetic analysis Multi-cycle kinetic analysis of this antibody to human SARS-CoV-2 Nucleocapsid protein by using Biacore T200.

Applications

- Immunofluorescence

  Immunofluorescent staining of 293T cells were respectively transfected with SARS-CoV, SARS-CoV-2, MERS-CoV and HCoV-NL63 nucleocapsid plasmid and stained with this antibody (1:500).

- Flow Cytometry

- Enzyme-linked Immunoabsorbent Assay

  ELISA assay of this antibody to SARS-CoV-2 nucleocapsid protein, SARS-CoV nucleocapsid protein, MERS-CoV nucleocapsid protein, HCoV-NL63 nucleocapsid protein and BSA (BSA: negative control).

- Western Blot (Transfected lysate)

  Western Blot analysis of Lane 1: HEK293 cells and Lane 2: transfected with SARS-CoV-2 VLP (Virus-like particle) were stained with this antibody at 1:1000 dilution.

- Western Blot (Recombinant protein)

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