

# Anti-MERS-CoV Spike RBD Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104440

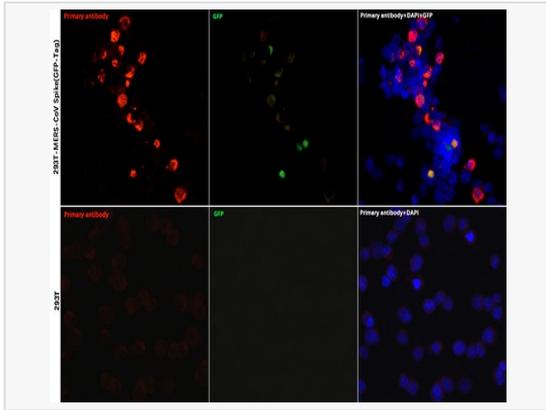
## Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	MERS-CoV
Dilution	WB 1:500~1:1,000; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 18-725 of coronavirus Spike RBD (YP_009047204.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-MERS-CoV Spike RBD Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

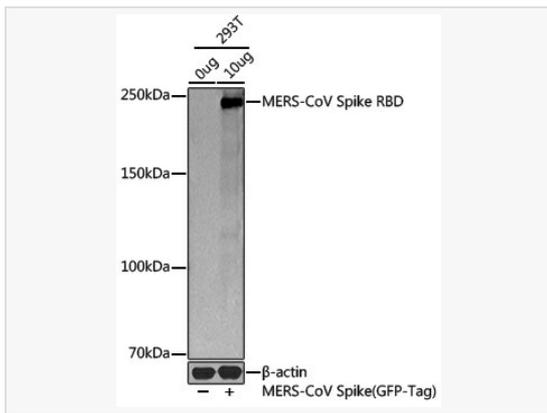
## Protein Information

Synonyms	MERS-CoV S1 RBDSpike RBD; Receptor-binding domain (RBD) ; Spike glycoprotein RBD; S glycoprotein RBD; Spike protein RBD; Spike RBD.
Calculated MW	Calculated MW: 149 kDa; Observed MW: 200 kDa
Uniprot ID	K9N5Q8
Gene ID	14254594
Background	It's been reported that Coronavirus can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

## Validation Images



Immunofluorescence analysis of 293T cells transfected with MERS-CoV Spike(GFP-Tag) protein and untreated 293T cells use MERS-CoV Spike RBD Rabbit pAb (P104440) at dilution of 1:200 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using MERS-CoV Spike RBD Rabbit pAb (P104440) at 1:1,000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit.

Exposure time: 1s.