

Datasheet for ABIN5027657

## anti-MERS-Coronavirus Spike antibody



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### 1 Image

#### Overview

Quantity:	100 µg
Target:	MERS-Coronavirus Spike (MERS-CoV S)
Reactivity:	Middle East Respiratory Syndrome Coronavirus (MERS-CoV)
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MERS-Coronavirus Spike antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	A recombinant protein fragment of MERS-CoV Spike (S) protein was used as the immunogen for this antibody.
Clone:	ABM4A80
Isotype:	IgG2b kappa
Purification:	Protein G Chromatography

#### Target Details

Target:	MERS-Coronavirus Spike (MERS-CoV S)
Alternative Name:	MERS-CoV Spike (S) protein ( <a href="#">MERS-CoV S Products</a> )
Target Type:	Viral Protein
Background:	The MERS-CoV spike (S) protein is a type I transmembrane glycoprotein which contains 1353

## Target Details

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amino acids and can be cleaved into two subunit S1 and S2. It forms large protruding spikes on the surface of the virus. The S1 subunit which contains RBD is responsible for binding to Dipeptidyl peptidase 4, which serves as the host cell receptor of MERS-CoV and S2 mediates the membrane fusion. In this process, heptad repeats 1 and 2 (HR1 and HR2) of the S protein assemble into a complex called six-helix bundle (6-HB) fusion core structure, which represents a key membrane fusion architecture. Importantly, the S protein is considered a key component of vaccines against coronavirus infection, including severe acute respiratory syndrome (SARS).

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Molecular Weight: 28 kDa

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UniProt: [W5ZZU6](#)

## Application Details

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Application Notes: WB: 0.5-1 µg/mL

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Restrictions: For Research Use only

## Handling

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Concentration: 0.5 mg/mL

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Buffer: PBS containing 0.05 % BSA, PH 7.4

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C/-20 °C

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Storage Comment: Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

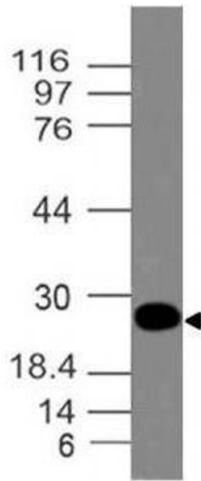


Image 1.