



Rabbit Anti-SFTSV G1 Monoclonal antibody , clone 4-5 (DMAB-CS24535)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	SFTSV Glycoprotein G1
Target	SFTSV G1
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	SFTSV
Clone	4-5
Conjugate	unconjugated
Applications	ELISA, IF, WB, Surface plasmon resonance, X-ray crystallography
Format	Liquid
Size	100 µg
Buffer	PBS, 0.02% sodium azide
Preservative	0.02% sodium azide
Storage	Store at 4 °C up to 6 months from the date of shipment. For longer storage, store aliquots at -20 °C. Avoid multiple freezing/thawing cycles as it may lead to loss of activity.

BACKGROUND

Introduction SFTSV is an enveloped, single-stranded, negative-sense RNA virus constituting a spherical

particle covered by an envelope consisting of a lipid bilayer with glycoprotein spines. The SFTSV genome consists of three RNA segments: the large (L), medium (M), and small (S) segments. The L segment encodes the RNA-dependent RNA polymerase, which acts as a viral transcriptase/replicase. The two viral surface glycoproteins, Gn and Gc, are encoded by the M segment. The S segment is a double-stranded RNA that is composed of the genes encoding the nonstructural protein NSs and the nuclear protein NP. NSs, which has the potential to act as an important virulence factor for SFTSV, impairs the innate antiviral response of host cells. In addition, NSs is related to the cell cycle, viral adsorption, and viral entry. NP promotes the encapsulation of SFTSV RNA into the capsid while also promoting SFTSV RNA transcription and replication as well as the assembly of viral particles. Gn and Gc are involved in the processes of SFTSV assembly and attachment to new target cells.

Keywords

Severe fever with thrombocytopenia syndrome virus; SFTSV; SFTSV Gn; SFTSV G1; SFTSV Glycoprotein N; SFTSV Glycoprotein G1

GENE INFORMATION

UniProt ID

W8GRF8
