



Sheep Anti-SARS-CoV2 NSP15 Polyclonal antibody (CABT-CS116)

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

PRODUCT INFORMATION

Specificity	SARS-CoV-2 NSP15
Target	SARS-CoV-2 NSP15
Immunogen	GST-SARS-CoV-2 NSP15
Isotype	IgG
Source/Host	Sheep
Species Reactivity	SARS-CoV-2
Purification	affinity purified
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Size	100 µg
Buffer	PBS
Preservative	None
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing.

BACKGROUND

Introduction

Nonstructural protein 15 (nsp15) encodes an endoribonuclease that is highly conserved among vertebrate nidoviruses (coronaviruses and arteriviruses) and plays a critical role in viral replication and transcription. Nsp15 is an IFN antagonist and it inhibits interferon- β production via an endoribonuclease activity-independent mechanism. Importantly, Nsp8 was found to interact with both monomeric and hexameric Nsp15. The Nsp7/Nsp8 complex displays a higher binding affinity for Nsp15. Furthermore, Nsp8 and the Nsp7/Nsp8 complex also enhance the NendoU activity of hexameric Nsp15 in vitro Taking the findings together.

Keywords

SARS-CoV-2 NSP15; SARS-CoV-2