Datasheet for ABIN2754656

anti-hCoV-OC43 Spike antibody (AA 15-344) (FITC)

Go to Product page

Overview

Quantity:	100 µg
Target:	hCoV-OC43 Spike (HCoV-OC43 S)
Binding Specificity:	AA 15-344
Reactivity:	Human Coronavirus OC43 (HCoV-OC43)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This hCoV-OC43 Spike antibody is conjugated to FITC
Application:	ELISA

Product Details

Immunogen:	Recombinant Human coronavirus OC43 Spike glycoprotein protein(15-344aa)
Isotype:	IgG
Purification:	Caprylic Acid Ammonium Sulfate Precipitation

Target Details

Target:	hCoV-OC43 Spike (HCoV-OC43 S)
Alternative Name:	OC43 Spike Glycoprotein (HCoV-OC43 S Products)
Target Type:	Viral Protein
Background:	S1 attaches the virion to the cell membrane by interacting with sialic acid-containing cell receptors, initiating the infection. S2 is a class I viral fusion protein. Under the current model, the

Target Details

	protein has at least 3 conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the coiled coil regions (heptad repeats) assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and target cell membranes.
UniProt:	P36334

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C/-80 °C