abcam

Product datasheet

Recombinant Human coronavirus SARS spike glycoprotein (Tagged) ab270844

Description

Product name	Recombinant Human coronavirus SARS spike glycoprotein (Tagged)
Purity	> 95 % SDS-PAGE. GS-4B Sepharose-Affinity Purification.
Expression system	Escherichia coli
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human coronavirus
Predicted molecular weight	38 kDa including tags
Tags	GST tag C-Terminus
Additional sequence information	Derived from CUHK-L2. Mosaic protein – amino acids 12-53/90-115/171-205. Contains a mosaic of the immunodominant regions of the N-terminal of the Spike protein. Not full-length spike protein.

Specifications

Our **Abpromise guarantee** covers the use of **ab270844** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE ELISA Western blot
Form	Liquid
Additional notes	Contains GST fusion partner. Immunoreactive with SARS positive sera. Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances. It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Constituents: 0.4% Tris HCl, 0.4% Sarkosyl, 0.25% Triton-X-100, 50% Glycerol (glycerin, glycerine)

General Info

Relevance	A novel coronavirus has been identified as the causative agent of SARS (Severe Acute Respiratory Syndrome). Coronaviruses are a major cause of upper respiratory diseases in humans. The genomes of these viruses are positive stranded RNA approximately 27 to 31kb in length. SARS infection can be mediated by the binding of the viral spike protein, a glycosylated 139 kDa protein and the major surface antigen of the virus, to the angiotensin converting enzyme 2 (ACE2) on target cells. This binding can be blocked by a soluble form of ACE2.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors