



Datasheet, Version 2/2016

Catalog # 2107 Synonyms RBD

Type Recombinant

Source E. coli

Species SARS-CoV2

Tag His6 Form Liquid

Purity >95% by SDS PAGE

Shipping Ice pack

Introduction

Recombinant SARS-CoV-2 RBD domain with C-terminal His-tag, expressed into periplasm of E. coli.

Description

The spike (S) glycoprotein of coronaviruses mediates binding and entry of the virus into the host cell. The S protein is also a major immunogen and a target for development of antiviral drugs. The spike protein is a transmembrane protein composed of two subunits, S1 and S2. The S1 subunit contains a receptor-binding domain (RBD) responsible for binding to the receptor angiotensinconverting enzyme 2 (ACE2). Several mutants of the spike protein has been identified so far with various affinity to ACE2 and changed immunogenicity.

Application

ELISA, Western blot, LIA, Protein arrays

Purification method

Affinity chromatography.

Formulation

500 ug/mL, 10mM Tris pH 7.5, 50mM KCl

Specificity

RBD domain of the Spike protein (AA 319-541) from original Wuhan-Hu-1 isolate (NC 045512). The mutation K417N is characteristic for the fast spreading SARS-CoV-2 virus variant B.1.351 emerged in South Africa.

Storage

-80C. Aliquot upon arrival.
Analyte specific reagent (ASR) manufactured under ISO 13485. **Country of origin: Czech Republic**

