

Datasheet for ABIN7580931

SARS-CoV-2 Protein (RBD, XBB.1.5 – Omicron) (His tag)



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1 Publication

Overview

Quantity:	100 µg
Target:	SARS-CoV-2
Protein Characteristics:	RBD, XBB.1.5 – Omicron
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 protein is labelled with His tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Recombinant SARS-CoV-2 RBD (Omicron XBB.1.5) Protein, C-His
Sequence:	Arg319-Phe541

Target Details

Target:	SARS-CoV-2
Alternative Name:	SARS-CoV-2 (SARS-CoV-2 Products)
Background:	Spike glycoprotein, S glycoprotein, E2, Peplomer protein, Spike protein S1, S, Receptor-Binding Domain, RBD, XBB, SARS-like Coronaviruses, Omicron XBB, XBB.1.5
Molecular Weight:	27.82 kDa
NCBI Accession:	YP_009724390

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in sterile water for a stock solution.

Buffer: Lyophilized from a solution in PBS pH 7.4, 1 mM EDTA, 4 % Trehalose, 1 % Mannitol.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Use a manual defrost freezer and avoid repeated freeze thaw cycles.Store at 2 to 8 °C for one week .Store at -20 to -80 °C for twelve months from the date of receipt.

Publications

Product cited in: Gao, Yang, Dong, Tang, Cao, Ding, Zhu, Bai, Xia, Zhu, Zhao, Peng, Xu, Zhang: "A multi-antigen vaccinia vaccine broadly protected mice against SARS-CoV-2 and influenza A virus while also targeting SARS-CoV-1 and MERS-CoV." in: **Frontiers in immunology**, Vol. 15, pp. 1473428, (2024) ([PubMed](#)).

Mazunina, Gushchin, Bykonia, Kleymenov, Siniavin, Kozlova, Mukasheva, Shidlovskaya, Kuznetsova, Usachev, Zlobin, Burtseva, Ivanov, Logunov, Gintsburg: "Immunogenicity and Efficacy of Combined mRNA Vaccine Against Influenza and SARS-CoV-2 in Mice Animal Models." in: **Vaccines**, Vol. 12, Issue 11, (2024) ([PubMed](#)).