Datasheet for ABIN7538805

Norovirus GII.4 (VP1) Sydney, Norovirus GII.P16 (VP1), Norovirus GI.3 (VP1+VP2) protein-VLP

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Overview

Quantity:	3 x 100 µg
Target:	Norovirus GII.4 (VP1) Sydney, Norovirus GII.P16 (VP1), Norovirus GI.3 (VP1+VP2)
Origin:	Norovirus
Source:	HEK-293 Cells
Protein Type:	VLP
Application:	ELISA, Lateral Flow (LF), Western Blotting (WB)

Product Details

Purpose:	Set: VLP of Norovirus GII.4 + VLP of Norovirus GII.P16 + VLP of Norovirus GI.3
Characteristics:	Norovirus-like particles (VLP) were produced in HEK cells by co-expression of the VP1 or VP1 and VP2 protein. The VLPs do not contain the viral genome, cannot replicate and are not infectious.
Purification:	Polyethylene glycol precipitation
Components:	Set contains: (ABIN7538802), (ABIN7538803) and (ABIN7538804).
Biological Activity Comment:	active

Target Details

Target:	Norovirus GII.4 (VP1) Sydney, Norovirus GII.P16 (VP1), Norovirus GI.3 (VP1+VP2)
Target Type:	Viral Protein
Background:	Noroviruses (formerly known as Norwalk-like viruses) belong to the Caliciviridae family. Noroviruses are found worldwide and usually cause gastrointestinal illnesses.

Application Details

Application Notes:	Applications: Immunogenic antigen, antigen for ELISA and Western blot, reference for rapid antigen tests. Western blot: 1-10 µg, ELISA: 1-5 µg/mL
Comment:	Virus-like Particles are multiprotein complexes that resemble a native virus, but lack the genetic information. Therefore, VLPs are safe to handle in numerous fields of applications. For example, VLPs can be applied as antigen in serological assays (e.g. ELISA), or serve as reference material to standardize the performance of different diagnostic tests (e.g. rapid antigen tests or ELISA). Due to the self-adjuvanting properties of VLPs is the most common application of VLPs the use as antigen for immunizations for vaccine development or antibody discovery campaigns.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS
Storage:	-80 °C
Storage Comment:	- 80°C