Anti – SARS-CoV-2-Spike glycoprotein

Rabbit clonal antibody

CAT#

CONCENTRATED		READY TO USE (RTU)	
DB 279-0.1	(100 µl)	DB 279-RTU-7	(7 ml)
DB 279-0.2	(200 µl)	DB 279-RTU-15	(15 ml)
DB 279-0.5	(500 µl)		
DB 279-1	(1 ml)		

STORAGE AND APPLICATION

CONCENTRATED	READY TO USE (RTU)
Storage: +4˚C	**Storage:** +4˚C, Do not freeze!
Application: IHC-P, dilution 1:100 - 1:200	**Application:** IHC-P, ready to use

PRODUCT INFORMATION

Clone: Q25-L

Buffer: 20 mM Tris-HCl, pH 8.0
Stabilizer: 20 mg/ml BSA
Preservative: 0.05% NaN_3

Specificity: Human
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of SARS-CoV2 spike glycoprotein. Antibody recognizes the epitope between Leu1145 – His1159.

Cellular localization: cytoplasm
Positive control: infected lung, placenta
Protein accession number: P0DTC2

VENTANA PROTOCOL – INSTRUCTION MANUAL

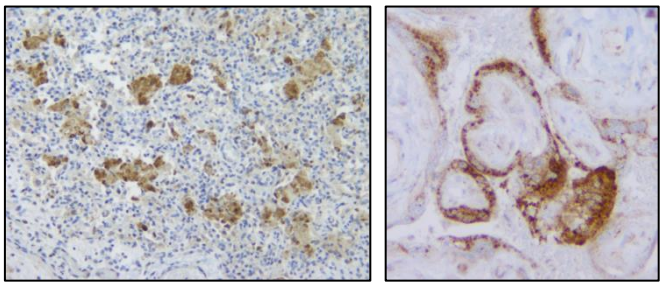
SHORT APPLICATION PROTOCOL FOR VENTANA BENCHMARK SLIDE STAINING SYSTEM

1. Drying (Enter).
2. Heating glass (72°C), incubation 4 min. Drying.
3. Deparafinization (Enter).
4. Heating (72°C) at the medium temperatures. Deparafinization.
5. Prolonged deparafinization (Enter).
6. Cell conditioning (Enter).
7. ULTRA conditioner #1 (Enter).
8. Heating glass (95°C), incubation 8 min. (Cell conditioner #1; buffer CC1).
9. ULTRA CC1 solution application **– 56 min. (Enter).**
10. Titration (Enter).
11. Hand apply – primary antibody. **Incubation 60 min.**
12. Nuclear stain (Enter).
13. Hematoxylin application – one drop (nuclear stain). Cover and incubate 8 min.
14. After nuclear stain (Enter).
15. Bluing reagent application, one drop. After nuclear stain, cover and incubate 4 min.

PRECAUTIONS

1. **We strongly recommend to use DB Primary Antibody Diluent (catalog number DB D-125, or DB D-250), eventually alternative diluent (containing protease free BSA at the concentrations ≥ 1mg/ml) for dilution of concentrated antibodies, otherwise the warranty might be voided.**
2. **Centrifuge the vial before use.**
3. Intended for professional In Vitro Diagnostic use in laboratories.
4. Do not use after expiration date stamped on vial label.
5. Avoid contamination of the reagent.
6. Any discrepancies in the recommended procedures stated in the working protocol may affect the final results.
7. The reagent contains sodium azide (NaN_3) which is highly toxic in higher concentrations. The concentration in the reagent (0.05%) is not considered as hazardous.
8. Disposal of waste material must be conducted in accordance with local regulations.
9. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.

A **B**



Immunohistochemical staining patterns of formalin fixed and paraffin embedded human Covid-19 infected lung **(A)** and placenta **(B)** tissue (4 µm sections) with Anti – SARS-CoV-2 Spike glycoprotein monospecific antibody (DB 279), according to DB Biotech datasheet for Ventana BenchMark Ultra. Antibody SARS-CoV-2 Spike glycoprotein stains cytoplasm of individual pneumocytes or larger clusters of affected cells **(A)** and cytoplasm of the trophoblast layer of the chorionic villi in Covid-19 related choriovillitis **(B)**.

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