

Certificate of Analysis

Product Name: Polyclonal Anti- Woodchuck hepatitis B virus (isolate 8) (WHV) Protein X Antibody

Catalog Number: DZ41339

Description

Lot No.	22DZ451E26
Size	200µl/vial
Form	Liquid
Concentration	500µg/ml
Ig type	Rabbit IgG
Purification	Immunogen affinity purified.
Contents	Each vial contains 20mM PBS, 50% glycerol, 0.02% NaN ₃ .

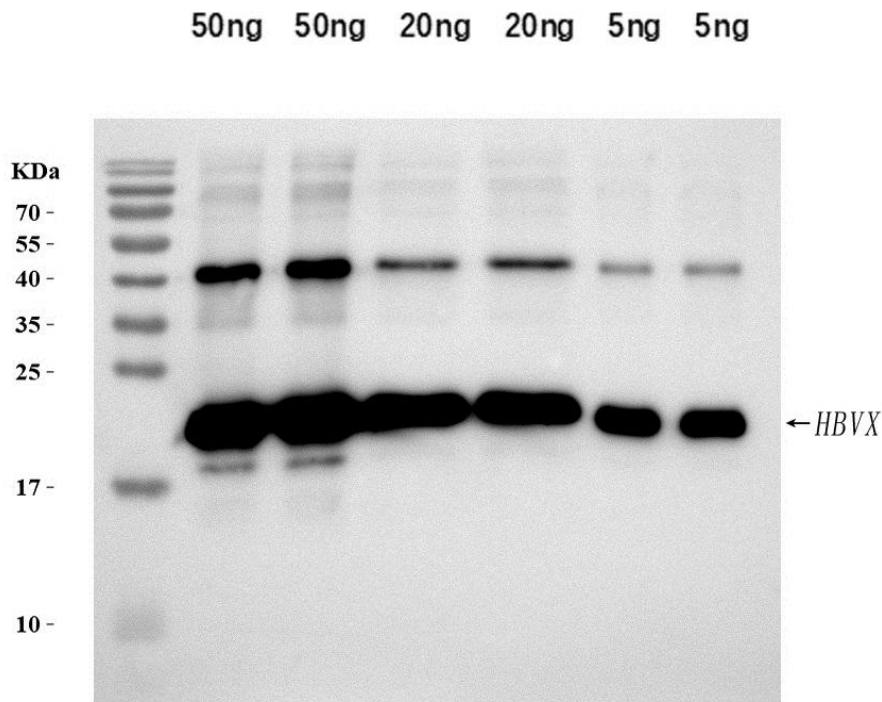
Data of Indirect ELISA

Coating concentration of antigen	0.1µg/ml	0.1µg/ml	0.1µg/ml	0.1µg/ml
Working concentration of anti- Protein X antibody	1µg/ml	0.1µg/ml	0.01µg/ml	0.001µg/ml
Working concentration of HRP conjugated goat anti-rabbit IgG (Catalog # BA1054)	0.2µg/ml	0.2µg/ml	0.2µg/ml	0.2µg/ml
O.D. values(450nm)	2.413	2.398	0.821	0.144
Antibody Status	Pass			

Data Evaluation Criteria

Coating concentration of antigen	0.1µg/ml	0.1µg/ml
Working concentration of the primary antibody	1µg/ml	1µg/ml
Working concentration of HRP conjugated goat anti-rabbit IgG	0.2µg/ml	0.2µg/ml
O.D. values (450nm)	≥ 1.0	<1.0
Antibody's affinity for the antigen	Strong	Weak
Antibody Status	Pass	Fail

WB Image



Western blot analysis of Protein X using anti-Protein X antibody (DZ41339).

Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 110V (Resolving gel) for 2-3 hours.

Lane 1: Recombinant Hepatitis B Virus Protein X 50 ng,

Lane 2: Recombinant Hepatitis B Virus Protein X 50 ng,

Lane 3: Recombinant Hepatitis B Virus Protein X 20 ng,

Lane 4: Recombinant Hepatitis B Virus Protein X 20 ng,

Lane 5: Recombinant Hepatitis B Virus Protein X 5 ng,

Lane 6: Recombinant Hepatitis B Virus Protein X 5 ng.

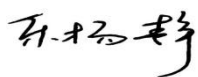
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50 minutes.

Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Protein X antigen affinity purified polyclonal antibody (Catalog # DZ41339) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.05%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Protein X at approximately 20 kDa. The expected band size for Protein X is at 17 kDa.

Storage

At -20°C for one year, at 4°C for one month. Avoid repeated freezing and thawing.

Approved by:



Ms. Yangjing Yue

Chief technician

Quality Control System of ELISA

Date: June 6, 2022