

CPA915Ge11 3mq

BSA Conjugated 25-Hydroxyvitamin D3 (HVD3)

Organism Species: General

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PROPERTIES]

Antigen: HVD3-BSA

Chemical Formula: C₂₇H₄₄O₂

Mol. Mass: 400.6g/mol

Purity: >95%

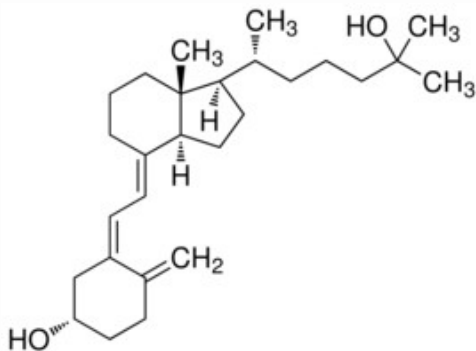
Endotoxin Level: <1.0EU per 1µg (determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS.

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

Structural Formula:



[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[STORAGE AND STABILITY]

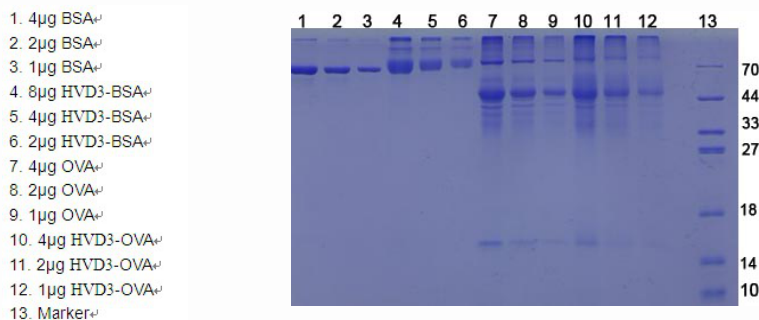
Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[PHYSICAL DESCRIPTION]



From the picture of PAGE, we can see that, there is little differences between carrier protein and the conjugated product which is a little diffusion. Because Mol. Mass of molecular is too small that it can be almost ignored comparing to carrier protein. At the same time, one carrier protein can conjugate with different amounts of molecular, so it ends with diffusion phenomenon. All above show that, small molecule HVD3 coupled with carrier protein successfully.

CPA915Ge11 100µg
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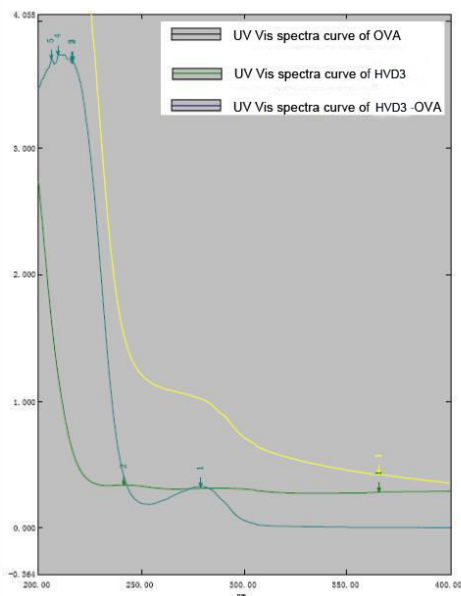


Figure A

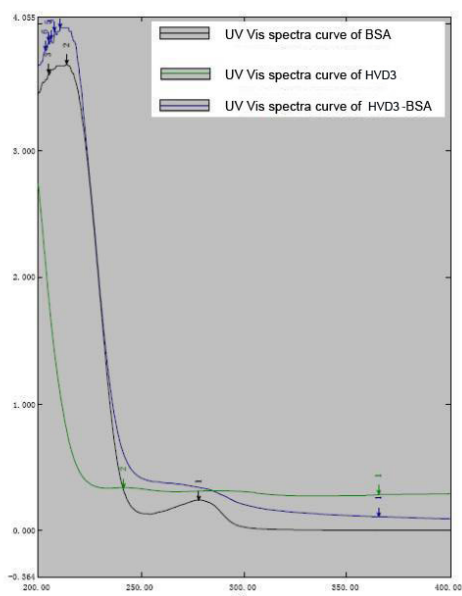


Figure B

Figure A: The picture clearly shows that UV Vis spectra of HVD3-OVA has an obvious change in 250-280nm compared to UV Vis spectra of OVA and HVD3, which illustrates the structure of conjugated product has great changes, and it means small molecular compound HVD3 coupled with carrier protein successfully.

Figure B: The picture clearly shows that UV Vis spectra of HVD3-BSA has an obvious change in 250-280nm compared to UV Vis spectra of BSA and HVD3, which illustrates the structure of conjugated product has great changes, and it means small molecular compound HVD3 coupled with carrier protein successfully.