

Vitamin D (25-OH-VD) Rabbit mAb

Catalog No.: A25579 **Recombinant**

Basic Information

Observed MW

Calculated MW

Category

Primary antibody

Applications

ELISA,DB

Cross-Reactivity

Species independent

CloneNo number

ARC66208

Background

25-OH-VD, is the primary circulating form of vitamin D in human body after its initial metabolism. It serves as the preferred biomarker for assessing vitamin D status due to its plasma concentration accurately reflecting total body stores. Derived from the hydroxylation of vitamin D precursors (vitamin D3 or D2) in the liver, 25-OH-VD is a precursor to the biologically active 1,25-(OH)₂-D3 formed in the kidneys. Its long half-life and stable levels make it the standard analyte for laboratory tests to diagnose vitamin D deficiency or excess, crucial in preventing and treating conditions like osteoporosis, rickets, and various chronic diseases linked to vitamin D, including cardiovascular issues, immune disorders, muscle dysfunction, diabetes, and certain cancers.

Recommended Dilutions

DB 1:500 - 1:1000

Immunogen Information

Gene ID

Swiss Prot

Immunogen

Chemical compounds corresponding to Vitamin D (25-OH-VD)

Synonyms

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data

100ng 10ng



Biotin-BSA-25-hydroxyvitamin D3 3-hemisuccinic acid

Dot-blot analysis of Biotin-BSA-25-hydroxyvitamin D3 3-hemisuccinic acid using Vitamin D (25-OH-VD) Rabbit mAb (A25579) at 1:1000 dilution.