

Vitamin D

ANTIBODIES, ANTIGENS & RELEASE SOLUTION
FOR TOTAL AND FREE VITAMIN D ASSAYS



Vitamin D is a fat-soluble precursor of the steroid hormone calcitriol that is essential for bone health and mineral metabolism. Screening for deficiencies in Vitamin D is recommended for high risk groups such as patients with osteoporosis, rickets/osteomalacia, chronic kidney disease or malabsorption syndrome.



About Vitamin D

To become biologically active Vitamin D is modified to 25-hydroxyvitamin D (25 OH Vitamin D3 or Calcidiol) and 1,25 dihydroxyvitamin D (D2 or Calcitriol). Serum concentrations of both forms are routinely used in clinical practice to assess vitamin D status. However, in the circulation, vitamin D is bound tightly to a special carrier, vitamin D-binding protein (DBP) or to a lesser extent, albumin or other blood proteins. To distinguish between bound vitamin D and free, biologically active vitamin D, vitamin D must first be released from the carrier proteins.

Vitamin D, either in its D2 or D3 form, is essential for normal human development, kidney function and bone health. Vitamin D deficiency has also been linked to cancer development and some autoimmune diseases. Given this huge impact of vitamin D on human health, it is important for laboratory pathologists and clinicians to have reliable tools to determine a patient's vitamin D status.

Pairing information

MAB	Ag	App
K01214M	A01697B	LF
K01214M	A01698B	ELISA & RIA
K01213M	A01697B	ELISA & RIA
K01213M	A01698B	ELISA & RIA

Products

25 OH Vitamin D3

Suitable for use in ELISA

A01694D	Antigen, BSA Conjugated
K24124M	MAB
K24124M-LQ	MAB

25 OH Vitamin D2 & D3

Suitable for use in ELISA & RIA

K01213M	MAB
K01214M	MAB

*Also works in CLIA & LF

1, 25 Dihydroxy Vitamin D3

Suitable for use in ELISA

A01409H	Synthetic Antigen
K24123M	MAB

Vitamin D Binding Protein (Gc-Glob)

A50674H	Antigen (Native)
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Vitamin D Derivative

A01697B	Antigen, BSA Conjugated
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*Suitable for use in LF

A01698B	Antigen, Biotin Conjugated
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*Suitable for use in CLIA & ELISA

Vitamin D Release Solution

Suitable for use in ELISA, CLIA, LF and RIA

K01415K	Ready-to-use Liquid
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