

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: K01213M **Lot #:** 17J27617
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Description: MAb to Vitamin D (25 OH)
Monoclonal Antibody to Human Vitamin D (25 OH Vitamin D)

Specificity: Recognizes Native Human 25 OH Vitamin D2 and 25 OH Vitamin D3. Vitamin D conjugated on position 3 is NOT recognized by this antibody.

% Cross-Reactivity:

Compound	RIA
25OH Vit D ₃	100%
25OH Vit D ₂	95%
1,25(OH) ₂ Vit D ₃	4%
1,25(OH) ₂ Vit D ₂	4%
Vit D ₃	< 0.3%
Vit D ₂	< 0.3%
24,25(OH) ₂ Vit D ₃	≥ 100% (Using spiked samples.)

Host Animal: Mouse **Isotype:** IgG₁

Source: Cell Culture

Immunogen: Synthetic Human Vitamin D derivative-BSA

Format: Purified, Liquid

Purification: Protein A Chromatography

Concentration: 3.14 mg/mL (OD_{280nm}, E^{0.1%} = 1.45)

Buffer: 0.1 M Phosphate Buffered Saline, pH 7.4

Preservative: 0.05% Sodium Azide

Applications: Suitable for use in ELISA and RIA. Recommended to use for Vitamin D testing. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Recommended pairing:

<u>Antibody</u>	<u>Antigen</u>
K01213M	A01697B
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Storage: Upon receipt, store at 2-8°C.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Beverly L. Orr

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FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY