



Mouse Anti-25 OH Vitamin D3 Monoclonal antibody, clone C2531M (DMAB2914)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Monoclonal Antibody to 25-OH Vitamin D3
Specificity	Cross-reactivity: 25 (OH) D3 100% 25 (OH) D2 68% 24,25 (OH)2 D3 ≥100% D3 < 0.1% D2 0.3%
Immunogen	25 (OH) D3 3-Hemisuccinate-BSA
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	N/A
Clone	C2531M
Affinity Constant	Not determined
Purification	Protein G chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA (1:10,000). 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.
Format	Purified, Lyophilized. Reconstitute in 1 mL double distilled water.

Concentration	1mg/ml (prior to lyophilization)
Size	1 mg
Buffer	Lyophilized from PBS, pH 7.4 containing 2% BSA.
Preservative	None
Storage	Store lyophilized product at 2-8°C. After reconstitution, store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	Vitamin D is a group of fat-soluble secosteroids, the two major physiologically relevant forms of which are vitamin D2 (ergocalciferol) and vitamin D3 (cholecalciferol). Vitamin D without a subscript refers to either D2 or D3 or both. Vitamin D3 is produced in the skin of vertebrates after exposure to ultraviolet B light from the sun or artificial sources, and occurs naturally in fish and a few other foods. In some countries, staple foods such as milk, flour and margarine are artificially fortified with vitamin D, and it is also available as a supplement in pill form. Light-exposed mushrooms may provide up to 100% of the recommended Daily Value of vitamin D
Keywords	CALCIDIOL; CALCIFEDIOL; CALCIFEDIOL MONOHYDRATE; 25-OH-D3; 25-HYDROXYVITAMIN D3; 25-hydroxyvitamin d3 monohydrate; 25-HYDROXYCHOLECALCIFEROL; 25-hydroxycholecalciferol monohydrate; (5z, 7e)-9, 10-secocholesta-5, 7, 10(19)-triene-3b, 25-diol monohydrate; VI