



# 1,25 (OH)<sub>2</sub> Vitamin D<sub>3</sub> [KLH] (DAGA-127K)

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

## PRODUCT INFORMATION

**Antigen Description** Calcitriol (INN), also called 1,25-dihydroxycholecalciferol or 1,25-dihydroxyvitamin D<sub>3</sub>, is the hormonally active form of vitamin D with three hydroxyl groups (abbreviated 1,25-(OH)<sub>2</sub>D<sub>3</sub> or simply 1,25(OH)<sub>2</sub>D). It increases the level of calcium (Ca<sup>2+</sup>) in the blood by (1) increasing the uptake of calcium from the gut into the blood, (2) decreasing the transfer of calcium from blood to the urine by the kidney, and (3) increasing the release of calcium into the blood from bone.

<b>Nature</b>	Synthetic
<b>Expression System</b>	N/A
<b>Conjugate</b>	KLH
<b>Applications</b>	Immunogen
<b>Procedure</b>	None
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements.
<b>Size</b>	1 mg
<b>Buffer</b>	0.01M pH7.4 PBS
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## BACKGROUND

**Keywords** 1; 25-DIHYDROXYVITAMIN D<sub>3</sub>; 1; 25 (OH)<sub>2</sub> Vitamin D<sub>3</sub> (5Z; 7E)-9; 10-Secocholesta-5; 7; 10(19)-triene-1; 3β; 25-triol