Mouse Anti-Human 1, 25 (OH)₂ VITAMIN D₃ Monoclonal Antibody

**Product Overview:** Monoclonal Antibody to 1, 25 (OH)₂ VITAMIN D₃

**Specificity:** Crossreactivity (after extraction) vs. 1,25(OH)₂ D₃: 100.0% (100,0%), D₂: 1% (<0.01%), D₃: 0.3% (<0.01%), 24,25(OH)₂ D₃: 20.5% (<0.1%), 25-OH D₃: 4.4% (<0.01%), 25-OH D₂: 2.3% (<0.1%).

**Immunogen:** 3-Hemisuccinat-BSA

**Clone:** JE2,26B

**Isotype:** IgG1

**Host animal:** Mouse

**Matrix:** Cellculture supernation, Protein G purified, 50 mM TRIS pH 7.4

**Application:** ELISA

**Packaging**

**Concentration:** 10 μg/100 μg (lyophilized), resuspend in 10 μl/100 μl aqua bidest

**Storage:** 2°C-8°C (lyophilized); -20°C (dissolved); Repeated thawing and freezing must be avoided

**References**


**Introduction:** Calcitriol (INN), also called 1,25-dihydroxycholecalciferol or 1,25-dihydroxyvitamin D₃, is the hormonally active form of vitamin D with three hydroxyl groups (abbreviated 1,25-(OH)₂D₃ or simply 1,25(OH)₂D). It increases the level of calcium (Ca²⁺) in the blood by increasing the uptake of calcium from the gut into the blood, decreasing the transfer of calcium from blood to the urine by the kidney, and increasing the release of calcium into the blood from bone.

**Keywords:** Calcitriol; 1, 25 (OH)₂ VITAMIN D₃; 1,25-dihydroxycholecalciferol; 1,25-dihydroxyvitamin D₃; 1,25-(OH)₂D₃; CALCITRIOL; VITAMIN D₃, 1ALPHA,25-DIHYDROXY; 1,25-dihydroxyvitamin D₃; 1ALPHA,25-DIHYDROXY-VITAMIN D₆; 1,25-dihydroxyvitamin; (5z,7e)-(1s,3r)-9,10-secocolesterol-5,7,10(19)-triene-1,3,25-triol; 9,10-SECOCHOLESTA-5,7,10(19)-TRIENE.

**Background**

Calcitriol (INN), also called 1,25-dihydroxycholecalciferol or 1,25-dihydroxyvitamin D₃, is the hormonally active form of vitamin D with three hydroxyl groups (abbreviated 1,25-(OH)₂D₃ or simply 1,25(OH)₂D). It increases the level of calcium (Ca²⁺) in the blood by increasing the uptake of calcium from the gut into the blood, decreasing the transfer of calcium from blood to the urine by the kidney, and increasing the release of calcium into the blood from bone.