

**Product Name:** Human 25-hydroxyvitamin D-1

alpha hydroxylase, mitochondrial ELISA Kit

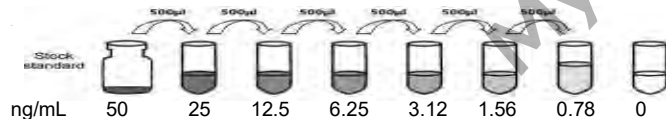
**Specificity:** Recombinant and natural Human 25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial

**Synonyms:** Cytochrome P450VD1-alpha, Cytochrome P450C1  
alpha, Cytochrome P450 subfamily XXVIIIB polypeptide 1, Calcidiol  
1-monooxygenase, Cytochrome p450 27B1, 25-OHD-1  
alpha-hydroxylase, 25-hydroxyvitamin D(3) 1-alpha-hydroxylase ,;

**Catalog No.:** MBS2881613 Sandwich 48T

#### Standard Preparation

Reconstitute the Standard with 2.0 mL of Sample Diluent. This reconstitution produces a stock solution of 50 ng/mL. Allow the standard to sit for a minimum of 15 minutes with gentle agitation prior to making serial dilutions (Making serial dilution in the wells directly is not permitted). The undiluted standard serves as the high standard (50 ng/mL). The Sample Diluent serves as the zero standard (0 ng/mL).



**Detection Range:** 0.78-50 ng/mL

**Sensitivity:** less than 0.33 ng/mL

**Performance Characteristics:** Intra-Assay CV:  $\leq 4.3\%$

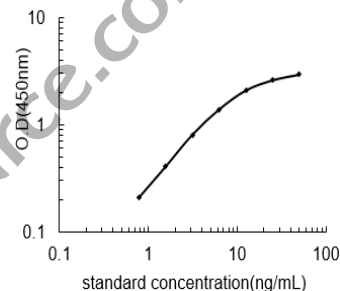
Inter-Assay CV:  $\leq 7.1\%$

Spike Average Recovery: 97%

#### Typical Data

Results of a typical standard curve are provide for demonstration only and should not be used to obtain test results.

A standard curve must be run for each set of samples assayed.



ng/mL	Mean O.D.
50	2.921
25	2.591
12.5	2.08
6.25	1.381
3.12	0.799
1.56	0.402
0.78	0.206
0	0

**IMPORTANT:** After receiving the kit, please check the intactness of outer packaging, check whether the reagent bottles are broken, leaking or the amount of liquid is significantly reduced, etc. If the diluent is polluted such as flocculent bacterial colonies; the substrate is not transparent and the microtiter plate is leaking, etc; please contact the distributor. In rare cases, the crystals may appear in the substrate. Normally the crystals will dissolve at room temperature, this will not affect the testing results.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.