



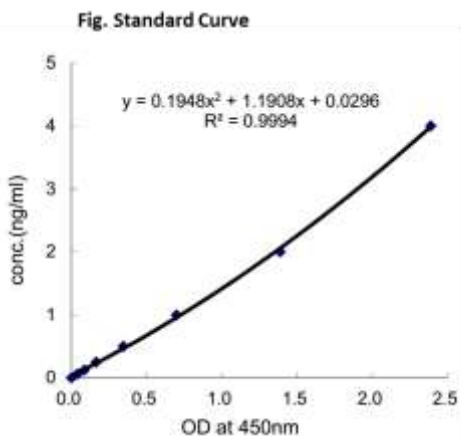
- Cover the plate with plate sealer and incubate for 1 hour at 37°C.
- Aspirate the coated wells and add 300 µl of Wash Buffer 1X using a multichannel pipette or auto-washer. Repeat the process for a total of three washes. After the last wash, complete removal of liquid is essential for good performance.
- Add 100 µl to each well of the Detection Antibody.
- Cover the plate with plate sealer and incubate for 1 hour at 37°C.
- Aspirate the coated wells and add 300 µl of Wash Buffer 1X using a multichannel pipette or auto-washer. Repeat the process for a total of three washes. After the last wash, complete removal of liquid is essential for good performance.
- Add 100 µl to each well of the diluted Detector.
- Cover the plate with plate sealer and incubate for 1 hour at 37°C.
- Aspirate the coated wells and add 300 µl of Wash Buffer 1X using a multichannel pipette or auto-washer. Repeat the process for a total of five washes. After the last wash, complete removal of liquid is essential for good performance.
- Add 100 µl to each well of TMB Substrate Solution.
- Allow the color reaction to develop at room temperature (RT°C) in the dark for 10 minutes.
- Stop the reaction by adding 100 µl of Stop Solution. Tap the plate gently to ensure thorough mixing. The substrate reaction yields a blue solution that turns yellow when Stop Solution is added.
- Measure the OD at 450 nm in an ELISA reader within 30 minutes.

VIII. Calculation of Results:

- Average the duplicate readings for each standard, control and sample and subtract the average blank value (obtained with the 0 ng/ml point).
- Generate the standard curve by plotting the average absorbance obtained for each standard concentration on the horizontal (X) axis vs. the corresponding progranulin concentration (ng/ml) on the vertical (Y) axis (see Typical Data).
- Calculate the progranulin concentrations of samples by interpolation of the regression curve formula as shown above in a form of a quadratic equation.
- If the test samples were diluted, multiply the interpolated values by the dilution factor to calculate the concentration of human progranulin in the samples.

IX. Typical Data:

The following data are obtained using the different concentrations of standard as described in this protocol:



rProgranulin (ng/ml)	O.D.
4	2.389
2	1.388
1	0.699
0.5	0.346
0.25	0.165
0.125	0.087
0.063	0.042
0	0

X. RELATED PRODUCTS:

Progranulin, Human recombinant
Progranulin, Mouse recombinant
ELISA kits
Apoptosis Assay Kits and Reagents
Recombinant Growth Factors and Cytokines

Progranulin, Rat recombinant
Recombinant proteins and enzymes
Metabolism Assay kits and Reagents
Cellular Fractionation Kits
Polyclonal and monoclonal antibodies

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