

Human CDNF Antibody Pair Set

| | | | |
|--------------------|-------------------------------|---------------------|-------|
| Catalog No. | E-KAB-0237 | Applications | ELISA |
| Synonyms | ARMETL1, ARMET-like protein 1 | | |

Kit components & Storage

| Title | Specifications | Storage |
|--|----------------|---|
| Human CDNF Capture Antibody | 1 vial, 100 µg | Store at -20°C for one year. Avoid freeze / thaw cycles. |
| Human CDNF Detection Antibody (Biotin) | 1 vial, 50 µL | Store at -20°C for one year. Avoid freeze / thaw cycles. |

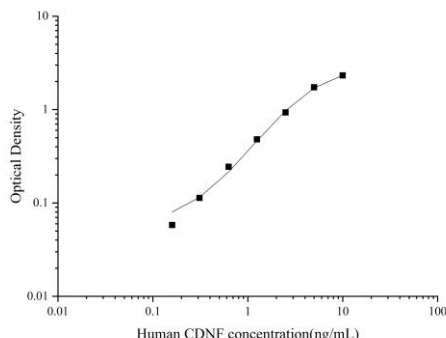
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

| Items | | Characteristic (E-KAB-0237) | |
|-----------------------|---------------|--|---|
| | | Human CDNF Capture Antibody | Human CDNF Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Human CDNF protein | Recombinant Human CDNF protein |
| | Swissprot | Q49AH0 | |
| Product details | Reactivity | Human | Human |
| | Host | Rabbit | Rabbit |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4 | PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4 |
| | Purify | Protein A | Protein A |
| | Specificity | Detects Human CDNF in ELISAs. | |

Applications

Human CDNF Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | | | | | | | |
|----------------------------------|------------------------------------|--|---|----------------------------------|-----------------|-----|------|-----|-----|-----|-----|---|-----|---|-----|---|-----|----|-----|
| ELISA Capture | 0.5-4µg/mL | Human CDNF Capture Antibody |  <p>The graph is a log-log plot of Optical Density versus Human CDNF concentration (ng/mL). The x-axis ranges from 0.01 to 100 ng/mL, and the y-axis ranges from 0.01 to 10. The data points form a smooth, upward-sloping curve, indicating a positive correlation between the concentration of Human CDNF and the resulting optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human CDNF concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>0.05</td> </tr> <tr> <td>0.2</td> <td>0.1</td> </tr> <tr> <td>0.5</td> <td>0.2</td> </tr> <tr> <td>1</td> <td>0.4</td> </tr> <tr> <td>2</td> <td>0.7</td> </tr> <tr> <td>5</td> <td>1.2</td> </tr> <tr> <td>10</td> <td>1.8</td> </tr> </tbody> </table> | Human CDNF concentration (ng/mL) | Optical Density | 0.1 | 0.05 | 0.2 | 0.1 | 0.5 | 0.2 | 1 | 0.4 | 2 | 0.7 | 5 | 1.2 | 10 | 1.8 |
| Human CDNF concentration (ng/mL) | Optical Density | | | | | | | | | | | | | | | | | | |
| 0.1 | 0.05 | | | | | | | | | | | | | | | | | | |
| 0.2 | 0.1 | | | | | | | | | | | | | | | | | | |
| 0.5 | 0.2 | | | | | | | | | | | | | | | | | | |
| 1 | 0.4 | | | | | | | | | | | | | | | | | | |
| 2 | 0.7 | | | | | | | | | | | | | | | | | | |
| 5 | 1.2 | | | | | | | | | | | | | | | | | | |
| 10 | 1.8 | | | | | | | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Human CDNF Detection Antibody (Biotin) | | | | | | | | | | | | | | | | | |

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

CDNF (Cerebral Dopamine Neurotrophic Factor) is a Protein Coding gene. GO annotations related to this gene include growth factor activity. An important paralog of this gene is MANF.