



Humanized anti-human BDNF monoclonal antibody, clone 4C2 (CABT-L0255Y)

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

PRODUCT INFORMATION

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| Product Overview | This humanized antibody recognizes Human BDNF. It is suitable for use in ELISA, LFIA, CLIA as a capture antibody when paired with CABT-L0256Y as a detection antibody. |
| Specificity | Detects human BDNF in sELISA |
| Target | Human BDNF |
| Isotype | IgG |
| Source/Host | Human |
| Species Reactivity | Human |
| Clone | 4C2 |
| Conjugate | Unconjugated |
| Applications | <p>This humanized antibody recognizes Human BDNF. It is suitable for use in ELISA, CLIA. We recommend the following for sandwich ELISA (Capture - Detection):</p> <p>CABT-L0255Y - CABT-L0256Y</p> <p>Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.</p> |
| Format | Purified, Liquid |
| Concentration | Lot specific |
| Size | 1 mg |
| Buffer | PBS or Tris |

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| Preservative | None |
| Storage | Store at 2-8°C for up to one month. Store at -20°C for long-term storage. Avoid freeze/thaw cycles. |

BACKGROUND

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| Introduction | Brain-derived neurotrophic factor (UniProt P23560; also known as Abrineurin, BDNF, Neurotrophin) is encoded by the BDNF (also known as BULN2) gene (Gene ID 627) in human. BDNF is a member of the NGF family of neurotrophic factors (also named neurotrophins) that are required for the differentiation and survival of specific neuronal subpopulations in both the central as well as the peripheral nervous system. The neurotrophin family is comprised of at least four proteins including NGF, BDNF, NT3, and NT4/5. BDNF mediates its neurotrophic properties by signaling through the high affinity cell surface receptor gp145/trkB. BDNF is initially produced with a signal peptide (a.a. 1-18) and a propeptide (a.a. 19-128) sequence, the removal of which yields the mature BDNF (a.a. 129-247). |
| Keywords | BDNF; brain-derived neurotrophic factor; ANON2; abrineurin; neurotrophin |

GENE INFORMATION

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| Entrez Gene ID | 627 |
| UniProt ID | P23560 |