

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| <b>Catalog #</b>              | RK-003-31                                                |
| <b>Standard Size</b>          | 125 RIA tubes                                            |
| <b>Radioactivity</b>          | This kit contains 1.5 µCi of Iodine 125                  |
| <b>Range</b>                  | 1-128 pg/tube of 100µl Standard Solution = 10-1280 pg/ml |
| <b>Lowest Detection Limit</b> | 36.1 pg/ml                                               |

| <b>Cross Reactivity</b> | <b>Peptide</b>                                          | <b>% Cross-reactivity</b> |
|-------------------------|---------------------------------------------------------|---------------------------|
|                         | Orexin B (Human)                                        | 100                       |
|                         | Orexin B (1-28) (Mouse, Rat)                            | 100                       |
|                         | Orexin B (3-28) (Mouse, Rat)                            | 100                       |
|                         | Orexin A (Human, Mouse, Rat)                            | 0                         |
|                         | Agouti-Related Protein (83-132)-NH <sub>2</sub> (Human) | 0                         |
|                         | Agouti-Related Protein (82-131) (Mouse)                 | 0                         |
|                         | Neuropeptide Y (Human, Rat)                             | 0                         |
|                         | Leptin (Human)                                          | 0                         |
|                         | MCH (Rat)                                               | 0                         |
|                         | α-MSH                                                   | 0                         |
|                         | MGOP-27                                                 | 0                         |
|                         | NEI                                                     | 0                         |

|                 |                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sequence</b> | Arg - Ser - Gly - Pro - Pro - Gly - Leu - Gln - Gly - Arg - Leu - Gln - Arg - Leu - Leu - Gln - Ala - Ser - Gly - Asn - His - Ala - Ala - Gly - Ile - Leu - Thr - Met - NH <sub>2</sub> |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|