



# Peninsula Laboratories, LLC

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**Cat. No. S-1426**

## $\beta$ -Melanocyte Stimulating Hormone ( $\beta$ -MSH) (human)

**SPECIFICATIONS:** Formulated for extracted samples

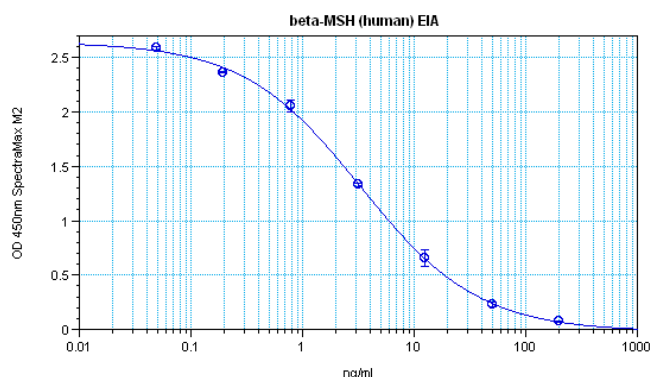
**STANDARD:** 1  $\mu$ g H-1475 H-Ala-Glu-Lys-Lys-Asp-Glu-Gly-Pro-Tyr-Arg-Met-Glu-His-Phe-Arg-Trp-Gly-Ser-Pro-Pro-Lys-Asp-OH

**PROTOCOL:** III (Std.Ab1hr.Bt)

**RANGE:** 0-200 ng/ml

**AVERAGE IC<sub>50</sub>:** 3 ng/ml

**SHELF-LIFE:** One year from production date



$y = ((A - D) / (1 + (x/C)^B)) + D$ : A: 2.643 B: 0.822 C: 3.322 D: -0.021 R<sup>2</sup>: 0.999

| Suggested Preparation of Standards |        |                                             |
|------------------------------------|--------|---------------------------------------------|
|                                    | ng/ml  | Range: 0.20 to 200 ng/ml                    |
| Stock                              | 1000   |                                             |
| S1                                 | 200.00 | Add 200 $\mu$ l stock + 800 $\mu$ l diluent |
| S2                                 | 50.00  | Add 200 $\mu$ l S1 + 600 $\mu$ l diluent    |
| S3                                 | 12.50  | Add 200 $\mu$ l S2 + 600 $\mu$ l diluent    |
| S4                                 | 3.13   | Add 200 $\mu$ l S3 + 600 $\mu$ l diluent    |
| S5                                 | 0.78   | Add 200 $\mu$ l S4 + 600 $\mu$ l diluent    |
| S6                                 | 0.20   | Add 200 $\mu$ l S5 + 600 $\mu$ l diluent    |
| S0                                 | 0.00   | 500 $\mu$ l diluent                         |

### CROSS REACTION:

#### PEPTIDE

%

|                            |     |
|----------------------------|-----|
| $\beta$ -MSH (human)       | 100 |
| $\beta$ -MSH (monkey)      | 100 |
| $\beta$ -MSH (porcine)     | 100 |
| $\alpha$ -MSH              | 0   |
| $\alpha$ -MSH (salmon)     | 0   |
| $\alpha$ -MSH (human)      | 0   |
| ACTH (1-39) (human)        | 0   |
| $\beta$ -Endorphin (human) | 0   |
| Met-Enkephalin             | 0   |
| LHRH                       | 0   |