

# CERTIFICATE OF ANALYSIS

## MONOCLONAL ANTIBODIES

### Human Thyroid Stimulating Hormone (TSH) Mouse Monoclonal Antibody F(ab')<sub>2</sub> Fragments

|                 |                          |
|-----------------|--------------------------|
| <b>Code No.</b> | <b>BM216-P8F5</b>        |
| <b>Grade</b>    | <b>Affinity Purified</b> |
| <b>Lot No.</b>  |                          |

#### RECEIVER INFORMATION

|                             |                                             |
|-----------------------------|---------------------------------------------|
| <b>Expiry Date</b>          |                                             |
| <b>Storage Temperature</b>  | 2-8 °C (short term) below -15°C (long term) |
| <b>Storage Notes</b>        | Avoid repeated freeze thaw cycles           |
| <b>Shipping Temperature</b> | 2-8°C/Frozen                                |

**Note:** product is shipped frozen, but if delayed during shipment, may arrive at destination chilled but thawed. This is acceptable, but customers should consider that a single freeze thaw cycle has occurred and should plan to reduce the occurrence of further freeze thaw cycles.

#### PRODUCT INFORMATION

|                                |                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>             | Antibody specifically detects TSH (Native and Recombinant) sub-epitope 1b                                                                                                                                                    |
| <b>Immunogen</b>               | Human recombinant TSH                                                                                                                                                                                                        |
| <b>Source</b>                  | Cell Culture                                                                                                                                                                                                                 |
| <b>BBI Solutions Clone No.</b> | P8F5                                                                                                                                                                                                                         |
| <b>Application</b>             | Recommended as the detection antibody in ELISA / Sandwich ELISA assays. Pairs with the capture antibodies BM216-T5C1 and/or BM216-T7F7.<br>BM216-P8F5 is also available in full length IgG format, product code: BM216-P8F4. |
| <b>Isotype</b>                 | IgG <sub>1k</sub> , F(ab') <sub>2</sub> Fragments                                                                                                                                                                            |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                        |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                    |
| <b>Presentation</b>            | Single homogenous batch, supplied liquid in a 0.1M Borate Buffer Saline buffer at pH 8.0 containing 0.15M NaCl. No preservative.                                                                                             |

#### HEALTH AND SAFETY

|                    |                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b> | For in-vitro use and research or further processing only.                                                                                          |
| <b>Precaution</b>  | Potentially hazardous, refer to Safety Information Sheet for general precautions. For specific precautions, Safety Data Sheet available on request |

## ANALYSIS

| TESTS | SPECIFICATIONS | RESULTS |
|-------|----------------|---------|
|-------|----------------|---------|

### Determination Method:

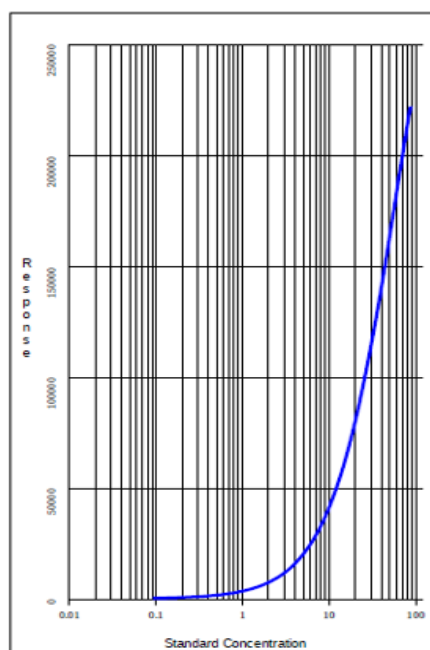
Protein Concentration by  
Optical Density at 280nm using  
 $E_{0.1\%,1\text{cm}} = 1.45$

$\geq 0.5$  mg/ml

mg/ml

### Sandwich Immunoassay

An example of a Sandwich Immunoassay standard curve performed using a combination of BM216-T5C1 and BM216-T7F7 as the Capture antibody and BM216-P8F4 (in F(ab')<sub>2</sub> fragment format – BM216-P8F5) as the Detector antibody showing a dose response from 0.08-85  $\mu\text{U/ml}$ .



|         |  |           |  |
|---------|--|-----------|--|
| Name:   |  | Position: |  |
| Signed: |  | Date:     |  |