

## CERTIFICATE OF ANALYSIS

### MONOCLONAL ANTIBODIES

Human Chorionic Gonadotropin beta subunit mouse monoclonal antibody

|                 |                          |
|-----------------|--------------------------|
| <b>Code No.</b> | <b>BM317-P7E5</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 (up to 1 month) below -15°C (long term) |
| <b>Storage Notes</b>        | Avoid repeat freeze thaw cycles                |
| <b>Shipping Temperature</b> | 2-8°C                                          |

#### PRODUCT INFORMATION

|                            |                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Reacts With</b>         | Human Chorionic Gonadotropin (hCG) beta subunit                                                                      |
| <b>Specificity</b>         | Specifically recognises beta hCG                                                                                     |
| <b>Source of Immunogen</b> | Purified human Chorionic Gonadotropin from pregnant women's urine                                                    |
| <b>BBI Clone No.</b>       | P7E5                                                                                                                 |
| <b>Application</b>         | Recommended as a detection antibody in beta hCG ELISA with BBI's capture mAb BM317-M5C9.                             |
| <b>Isotype</b>             | IgG <sub>1</sub>                                                                                                     |
| <b>Host</b>                | Mouse                                                                                                                |
| <b>Purification</b>        | Protein G                                                                                                            |
| <b>Presentation</b>        | Single homogenous batch, 0.2µM filtered, supplied liquid in a PBS buffer, pH 7.4 containing 0.09% NaN <sub>3</sub> . |

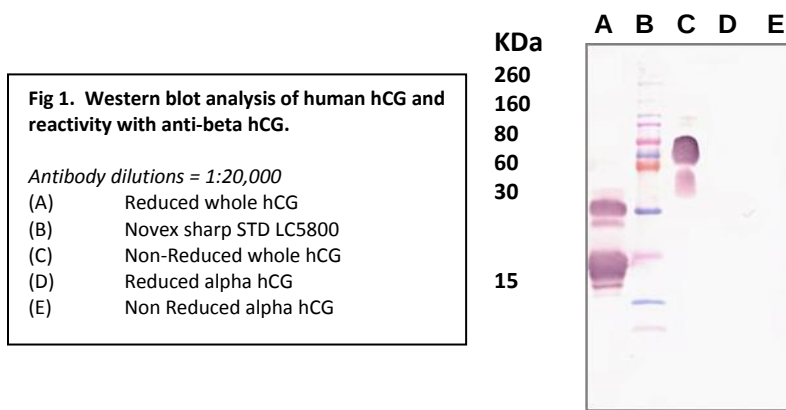
#### HEALTH AND SAFETY

|                    |                                                                                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b> | For in-vitro use and research or further processing only.                                                                                |
| <b>Precaution</b>  | Potentially hazardous, refer to safety data sheet for general precautions. Refer to Material safety data sheet for specific information. |

## ANALYSIS

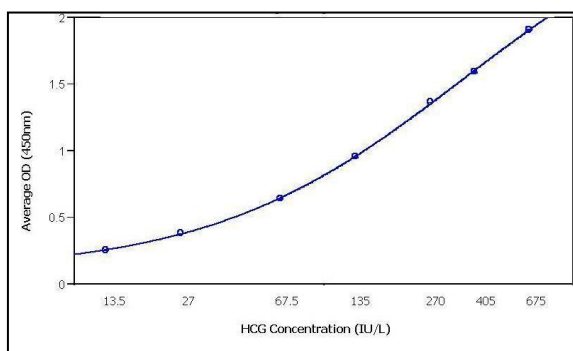
| TESTS                                                                                                               | SPECIFICATIONS                                                     | RESULTS |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------|
| <b>Determination Method:</b><br>Protein Concentration by Optical Density at 280nm<br>$E_{(0.1\%,1\text{cm})} = 1.4$ | $\geq 0.5$ mg/ml                                                   | mg/ml   |
| <b>Purity</b>                                                                                                       | Defined by a major band $\geq 90\%$ on coomassie stained SDS-PAGE. |         |

**Western Blot Analysis** An example of the reactivity of a previous batch of BM317-P7E5 with BBI Solutions hCG (whole and alpha) antigens P111-0 and P149-1



## ELISA

Consistent dose response curve over the range 12-700 IU/L



|                |  |                  |  |
|----------------|--|------------------|--|
| <b>Name:</b>   |  | <b>Position:</b> |  |
| <b>Signed:</b> |  | <b>Date:</b>     |  |