

CERTIFICATE OF ANALYSIS

MONOCLONAL ANTIBODIES

Human Chorionic Gonadotropin beta subunit mouse monoclonal antibody

Code No.	BM317-M5C9
Grade	Affinity Purified
Lot No.	

RECEIVER INFORMATION

Expiry Date	
Storage Temperature	2-8°C (up to 1 month) below - 15°C (long term)
Storage Notes	Avoid repeat freeze thaw cycles
Shipping Temperature	2-8°C

PRODUCT INFORMATION

Reacts With	Human Chorionic Gonadotropin (hCG) beta subunit
Specificity	Specifically recognises beta hCG
Source of Immunogen	Purified human Chorionic Gonadotropin from pregnant women's urine
BBI Clone No.	M5C9
Application	Recommended as capture antibody for Beta hCG ELISA with BM317-P7E5 or BM317-Z2A2 as the detection antibody. Also recommended as a detection antibody for alpha hCG Elisa with BM319-M6H2 as the capture antibody.
Isotype	IgG ₁
Host	Mouse
Purification	Protein G
Presentation	Single homogenous batch, 0.2µM filtered, supplied liquid in a PBS buffer, pH 7.4 containing 0.09% NaN ₃ .

HEALTH AND SAFETY

Application	For in-vitro use and research or further processing only.
Precaution	Potentially hazardous, refer to safety information sheet for general precautions. Refer to Safety Data Sheet for specific information.

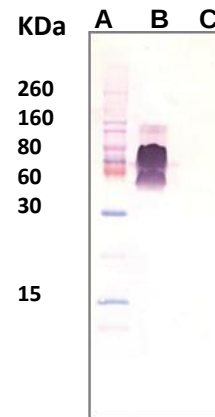
ANALYSIS

TESTS	SPECIFICATIONS	RESULTS
Determination Method: Protein concentration by Optical density at 280nm $E_{(0.1\%,1\text{cm})} = 1.4$	≥ 0.5 mg/ml	mg/ml
Purity	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-M5C9 with BBI Solutions HCG (whole and alpha) antigens P111-0 and P149-1	

Fig 1. Western blot analysis of human whole hCG + alpha hCG and reactivity with anti-beta hCG.

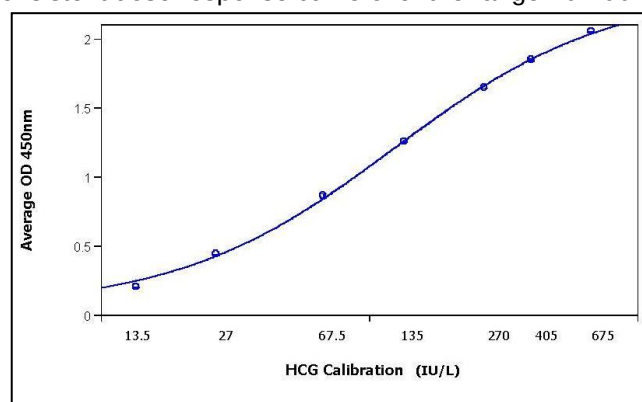
Antibody dilutions = 1:20,000

- (A) Novex sharp STD LC5800
 (B) Non-Reduced whole hCG
 (C) Reduced alpha hCG



ELISA

Consistent dose response curve over the range 10-700 IU/L



Name:		Position:	
Signed:		Date:	