

## CERTIFICATE OF ANALYSIS

### MONOCLONAL ANTIBODIES

Human Chorionic Gonadotropin beta subunit monoclonal mouse antibody

<b>Code no.</b>	<b>BM317-M5C9</b>
<b>Grade</b>	<b>Affinity purified</b>
<b>Lot no</b>	<b>Draft</b>

#### RECEIVER INFORMATION

<b>Storage Temperature</b>	Less than -15°C
<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 beta subunit P112-1
<b>Specificity</b>	Specifically recognises beta hCG
<b>Source of Immunogen</b>	Purified human Chorionic Gonadotropin
<b>SCIPAC clone no.</b>	M5C9
<b>Application</b>	Can be used as a capture antibody for beta hCG ELISA with SCIPAC mAbs BM317-P7E5 or BM317-Z2A2 as detection.
<b>Isotype</b>	IgG1
<b>Host</b>	Mouse
<b>Purification</b>	Protein G
<b>Presentation</b>	Single homogenous batch, 0.2µM filtered, supplied liquid in a 0.05M phosphate buffer pH 7.2 containing 0.15M NaCl and 0.09% NaN <sub>3</sub> .
<b>Target concentration:</b>	5 mg/ml

#### HEALTH AND SAFETY

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

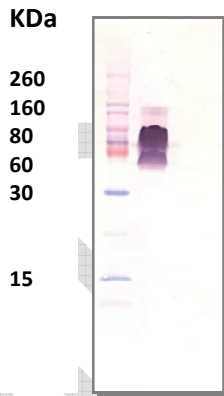
**ANALYSIS**

TESTS	SPECIFICATIONS	RESULTS
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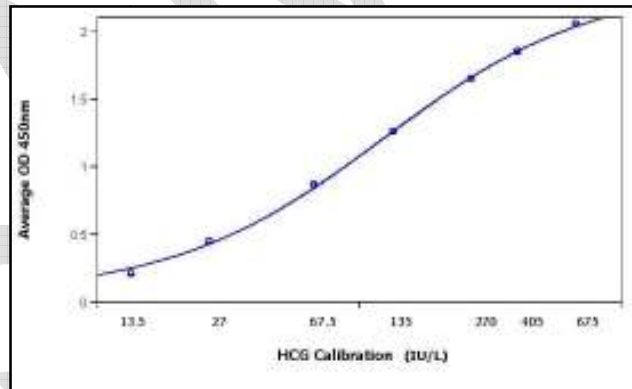
**Determination method:** >0.5 mg/ml mg/ml  
 Protein concentration by  
 Optical density at 280nm  
 $E_{1\%, 1cm} = 1.38$

Western blot analysis      Reactivity with SCIPAC antigen P111-0  
 An P149-1      Pass  
 At 1:20000 dilution

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



**QUALITY ASSURANCE**

Product manufactured under      ISO 9001  
 Manufacturing date

Name:		Position:	
Signed:		Date:	Order #