

CERTIFICATE OF ANALYSIS

MONOCLONAL ANTIBODIES

HbA1c mouse monoclonal antibody (Anti-HbA1c mAb)

Code No.	BM300-F7C2
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 HbA1c, including BBI Solutions code no. PS186-9
Specificity	Minimal cross reactivity with HbA0 in Western Blot.
Immunogen	Purified HbA1c and glycated peptide (HbA1c beta subunit N-Terminal region)
BBI Solutions Clone No.	F7C2
Application	Sandwich ELISA, ELISA, Lateral Flow and Western blot. Recommended for use as a detection antibody, paired with BM302-F1B4 as the capture antibody. We also suggest our customers appraise pairing BM300-F7C2 with our anti-Hb antibody BM302-S6B9.
Isotype	IgG1
Host	Mouse
Purification	Protein G
Presentation	Single homogenous batch, 0.2µM filtered, supplied liquid in a Phosphate Buffered Saline buffer, pH 7.4, containing 2.68mM KCl, 1.47mM KH ₂ PO ₄ , 10.14mM Na ₂ HPO ₄ , 0.137M NaCl and 0.09% Sodium azide.

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
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Determination Method:

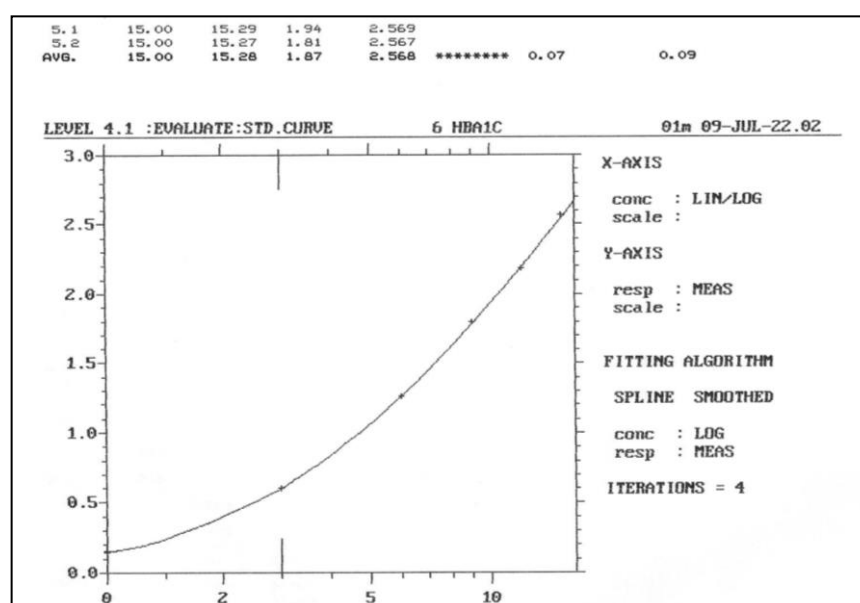
Protein Concentration by
Optical Density at 280nm using
 $E_{0.1\%,1\text{cm}} = 1.4$

≥ 0.5 mg/ml

mg/ml

Purity Defined as a major band $\geq 90\%$ on coomassie stained SDS-PAGE.

ELISA Example of a test dose response curve of a previous Lot of BM300-F7C2 over the range 4-15% HbA1c



Lateral Flow Example data using previous lots showing that as HbA1c levels increase the signal strength of antibody detection increases.

Capture: Mouse anti-HbA1c **BM300-F7C2**
Detector: Mouse anti-Hb **BM302-F1B4**

Sample: Blank Level1 Level2 Level3 Level4



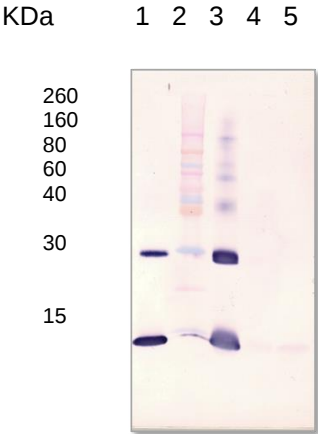
Western Blot

An example of a previous Lot of BM300-F7C2 tested against HbA1c (BBI Solutions code P186-9).

Fig 1. Western blot of anti HbA1c against human HbA1c.

Antibody dilutions = 1:20,000

Lane 1 Reduced Hb (25% HbA1c)
Lane 2 Standard
Lane 3 Non Reduced Hb (25% HbA1c)
Lane 4 Non reduced Hb (<3.5%HbA1c)
Lane 5 Reduced Hb (<3.5% HbA1c)



Name:		Position:	
Signed:		Date:	