

Datasheet Version 1.1

Update: 04/16/2021

Brain natriuretic peptide (BNP) Antibody, mAb, Mouse

Cat. No.	Name	Clone											
V00601	Brain natriuretic peptide (BNP) Antibody (13C1), mAb, Mouse	13C1											
V00602	Brain natriuretic peptide (BNP) Antibody (14D5), mAb, Mouse	14D5											
V00603	Brain natriuretic peptide (BNP) Antibody (1B14), mAb, Mouse	1B14											
V00604	Brain natriuretic peptide (BNP) Antibody (7F3), mAb, Mouse	7F3											
V00605	Brain natriuretic peptide (BNP) Antibody (60C5), mAb, Mouse	60C5											
V00606	Brain natriuretic peptide (BNP) Antibody (4G8), mAb, Mouse	4G8											
Specificity	Human BNP												
Isotype	IgG1 for mAbs 13C1, 14D5 60C5 and 4G8 IgG2a for mAb 1B14 and 7F3												
Production	Cultured <i>in vitro</i> under conditions free from animal-derived components												
Purification	Protein A/G affinity column												
Formulation	1) PBS, pH 7.4, containing 0.03% Proclin 300 2) 50 mM Na-citrate, 150 mM NaCl, pH 7.0, containing 0.03% Proclin 300 *												
	*: For new batch since 09/01/2018, please refer to COA.												
Storage	For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.												
Application	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr style="border-top: 1px solid black; border-bottom: 1px solid black;"> <th style="text-align: left;">Platform</th> <th style="text-align: left;">Capture</th> <th style="text-align: left;">Detection</th> </tr> </thead> <tbody> <tr> <td rowspan="2">ELISA</td> <td>13C1</td> <td>14D5</td> </tr> <tr> <td>13C1</td> <td>60C5</td> </tr> <tr style="border-bottom: 1px solid black;"> <td>TRFIA</td> <td>1B14</td> <td>14D5</td> </tr> </tbody> </table>		Platform	Capture	Detection	ELISA	13C1	14D5	13C1	60C5	TRFIA	1B14	14D5
Platform	Capture	Detection											
ELISA	13C1	14D5											
	13C1	60C5											
TRFIA	1B14	14D5											

Background BNP and NT-proBNP are separated from precursor molecule proBNP via proteolytic processing. The BNP and NT-proBNP level in blood are proportional to the severity of cardiac dysfunction. It can be used for diagnosis of congestive heart failure (CHF).

Product stability	Temperature, Time	Result for clone	
		13C1	14D5
	-80°C, 21 days		OK
	-20°C, 21 days		OK
	4°C, 21 days		OK
	20°C, 21 days		OK
	37°C, 21 days		OK
	40°C, 21 days		OK

Note GenScript can customize this product per customer's request including product size, buffer components, etc.

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.