CD Creative Diagnostics®

Human NPPB peptide (DAG269)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Humanpro-Brain Natriuretic Peptide, N-terminal (NT-proBNP), Recombinant. Immunoreactivityis confirmed by reaction with monoclonal antibodies specific to differentfragments of NT-proBNP molecule. Predicted molecular mass 8,589 Da confirmedby MALDI-MS. Cont
Antigen Description	TheN-terminal prohormone of brain natriuretic peptide (NT-proBNP) is a 76 aminoacid N-terminal fragment of brain natriuretic peptide. Both BNP and NT-proBNPlevels in the blood are used for screening, diagnosis of acute congestiveheart failure (CHF) and may be useful to establish prognosis in heartfailure, as both markers are typically higher in patients with worse outcome.The plasma concentrations of both BNP and NT-proBNP are also typicallyincreased in patients with asymptomatic or symptomatic left ventriculardysfunction.
Species	Human
Conjugate	Unconjugated
Applications	Suitable for use in ELISA. Each laboratory shoulddetermine an optimum working titer for use in its particular application.Other applications have not been tested but use in such assays should notnecessarily be excluded.
Format	Affinity Purified, Liquid
Concentration	0.90 mg/ml
Buffer	10mMPotassium phosphate, pH 7.4 containing 150mM Sodium chloride
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Cardiac hormone which may function as a paracrine antifibrotic factor in the heart. Also plays a key role in cardiovascular homeostasis through natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. Specifically binds and stimulates the cGMP production of the NPR1 receptor. Binds the clearance receptor NPR3.
Keywords	BNP; natriureticpeptides B; OTTHUMP00000002506; natriuretic protein; brain type natriureticpeptide; gamma-brain natriuretic peptide; natriuretic peptide precursor B

GENE INFORMATION

Entrez Gene ID	4879
UniProt ID	P16860