

Cardiac Products

Top antigens and antibodies
for cardiac immunoassays



Antibodies & Matched Pairs

Brain Natriuretic Peptide (BNP), ProBNP + NT-ProBNP

- H86245M** MAb to BNP (*Capture*), ELISA & WB
H86507M MAb to BNP (*Detection*), ELISA & WB
* Recognizes BNP.
- H86451M** MAb to NT-proBNP a.a. 61-76 (*Capture*), ELISA & WB
H86912M MAb to NT-proBNP a.a. 1-12 (*Detection*), ELISA & WB
* Recognizes BNP, proBNP and NT-proBNP.
- K4A660R** PAb to BNP (Rabbit) ELISA, RIA, & IHC, lyophilized
- H01420M** MAb to NT-proBNP a.a. 61-76 (*Capture*), ELISA & WB
H01419M MAb to NT-proBNP a.a. 15-20 (*Detection*), ELISA & WB
H01423M MAb to NT-proBNP a.a. 15-20 (*Alternate Detection*), ELISA & WB
* Detects NT-proBNP and proBNP.
- H01422M** MAb to NT-proBNP a.a. 5-12 (*Capture*), ELISA & WB
H01424M MAb to NT-proBNP a.a. 22-36 (*Detection*), ELISA & WB
* Detects NT-proBNP regardless of glycosylation.

C-Reactive Protein (CRP)

- M86005M** MAb (*Capture*), ELISA
M01239M MAb (*Detection*), ELISA
* Recognizes antigen in the presence and in the absence of Ca²⁺.

Creatine Kinase (CK)

- MAC01-288** MAb to CK-BB, ELISA
- H31795M** MAb to CK-MB (*Capture/Detection*), ELISA & LF
K31315G PAb (Goat) to CK-MM (*Capture/Detection*), ELISA & LF
* Abs can be used as capture or detection in a sandwich assay.
- MAC02-186** MAb to CK-MM, ELISA
* 50% cross reactivity with CK-MB and < 1% cross reactivity with CK-BB.
- MAC02-512** MAb to CK-MM, ELISA
* 52% cross reactivity with CK-MB, and no cross reactivity with CK-BB.

Cystatin C

- H86023M** MAb (*Capture*), ELISA
H86218M MAb (*Detection*), ELISA
H86013M MAb (*Alternate Detection*)

D-dimer

- N01265M** MAb, ELISA
- N01273M** MAb (*Capture*), ELISA & WB
N01274M MAb (*Detection*), ELISA & WB
- N01270M** MAb (*Capture*), ELISA, LF & WB
N01269H MAb (*Detection*), ELISA, LF & WB
* Highly specific for D-dimer and other cross linked fibrin degradation products containing D-dimer, but no reactivity with Fragment D or E. No cross-reaction was found with purified intact fibrinogen or fibrinogen degradation products.
- N86304M** MAb (*Capture*), ELISA & WB
N86352M MAb (*Detection*), ELISA & WB
* Reacts with high molecular weight fibrin degradation products. Does not cross react with fibrinogen or D-monomer.

Fatty Acid Binding Protein (FABP)

- H01324M** MAb (*Capture*), ELISA & LF
H01323M MAb (*Detection*), ELISA & LF

Fibrinogen

- N86413M** MAb, ELISA & WB

Galectin-3

- K01361M** MAb, ELISA, WB & IHC
* Reacts with human and mouse Galectin-3.
- K01381M** MAb, ELISA
* Reacts with human and mouse Galectin-3.

Glycogen Phosphorylase Isoenzyme BB (GPBB)

- H86807M** MAb, ELISA & WB

Lipoprotein-Associated Phospholipase A2 (Lp-PLA2)

- H01390M** MAb (*Capture*), ELISA
H01393M MAb (*Detection*), ELISA
H01389M MAb (*Alternate Detection*), ELISA
- H01392M** MAb (*Capture*), ELISA
H01393M MAb (*Detection*), ELISA

Myeloperoxidase (MPO)

- H87207M** MAb, ELISA & IHC
* Recognizes both native and recombinant human MPO.

Myoglobin (MYO)

- H86142M** MAb (*Capture*), ELISA
H86703M MAb (*Detection*), ELISA
- H01328M** MAb (*Capture*), ELISA & LF
H01327M MAb (*Detection*), ELISA & LF

Procalcitonin (PCT)

- E86561M** MAb (*Capture*), ELISA & WB
E86420M MAb (*Detection*), ELISA & WB
* Specific to procalcitonin and calcitonin.
- E86412M** MAb (*Capture*), ELISA
E86813M MAb (*Detection*), ELISA
* Specific for procalcitonin and katacalcin.

Pregnancy Associated Plasma Protein A (PAPP-A)

- E86141M** MAb (*Capture*), ELISA & WB
E86910M MAb (*Detection*), ELISA & WB
* Detects both heterotetrameric (found in placental blood) and homodimeric (found in atherosclerotic plaques) PAPP-A.
- E86114M** MAb, ELISA & WB

S-Adenosyl-Homocysteine (SAH)

- K01395C** PAb (Chicken), ELISA
* Affinity purified, treated with Adenine-9-D-Ribofuranoside to remove cross reaction to Adenosine.

Antibodies & Matched Pairs continued

Soluble CD40 Ligand (sCD40L)

P86106M MAb, ELISA
P42374M MAb, FC & IFA

Troponin I-Cardiac (cTnI)

H86285M MAb to a.a. 86-90 (*Capture*), ELISA & WB
H01347M MAb to a.a. 24-40 (*Detection*), ELISA & WB
* Reacts equally with free cTnI and complexed cTnI, does not cross react with sTn.
H01340M MAb to a.a. 41-49, ELISA
H86241M MAb to a.a. 87-91, ELISA & WB
H86596M MAb to a.a. 169-178, ELISA & WB
K31015M MAb (*Capture*), ELISA
K31341G PAb to a.a. 27-39 (*Goat, Detection*), ELISA, WB & IHC
K31342G PAb to a.a. 69-86 (*Goat, Alternate Detection*), ELISA & IHC
* Cross reactivity with sTn is < 0.1% (ELISA).

Troponin T-Cardiac (cTnT)

H86429M MAb to a.a. 60-70 (*Capture*), ELISA & WB
H86111M MAb to a.a. 95-181 (*Detection*), ELISA & WB
* Does not cross react with sTn.

Vitamin D

K01214M MAb to Vitamin D (25 OH), ELISA, LF, CLIA & ELISA
* Pairs with antigens A01697B & A01698B.
K01213M MAb to Vitamin D (25 OH), ELISA & RIA
* Pairs with antigens A01697B & A01698B.
K24124M-LQ MAb to 25-OH Vitamin D3, ELISA
K24124M MAb to 25-OH Vitamin D3, ELISA
K24123M MAb to 1,25 (OH)² Vitamin D3, ELISA
* Recognizes Native Human 25 OH Vitamin D2 and 25 OH Vitamin D3.

Human Antigens (for use as standards, controls & calibrators)

Brain Natriuretic Peptide (BNP), ProBNP + NT-ProBNP

A24760H ProBNP, recombinant protein (*E. coli*) of N-terminal (a.a. 1-76, MW 8.39 kDa)
A01261H NT-proBNP, recombinant protein (*E. coli*) of N-terminal (MW 8.589 kDa). Contains an additional methionine residue at the N-terminus (in comparison with native NT-proBNP)
N86583H BNP and NT-proBNP Free Plasma, from normal human plasma, used for preparation of any proBNP-related standards and calibrators
A97201H From human fluids and reactive with monospecific goat anti-CRP, ≥ 95% pure (SDS-PAGE)

Creatine Kinase (CK)

VTI830 CK-BB, produced in cell culture (yeast), represents native full length protein and is enzymatically active
VTI840 CK-MB Isoenzyme Type I, produced in cell culture (yeast), enzymatically active
VTI810 CK-MB Isoenzyme Type II, produced in cell culture (yeast), represents native full length protein and is enzymatically active
VTI850 CK-MM Isoenzyme Type I, produced in cell culture (yeast), represents full length protein without the C-terminal lysine on both subunits and is enzymatically active
VTI820 CK-MM Isoenzyme Type III, produced in cell culture (yeast), represents full length protein and is enzymatically active

Cystatin-C

A01259H From human urine, 95.5% pure
A01435H From human urine, ≥ 95% pure (SDS-PAGE), major band at ~13 kDa, suitable for TIA applications

D-Dimer

A01408H From human plasma, > 90% pure
A01463H From human plasma, > 95% pure (SDS-PAGE)

Fatty Acid Binding Protein (FABP)

A86865H From human heart, > 95% pure (SDS-PAGE)

Fibrinogen

A95150H From human plasma, MW 340kDa, isoelectric point of 5.1–6.3

Lp-PLA2

A01413H Recombinant (*E. coli*), > 95% pure (SDS-PAGE)

Myeloperoxidase (MPO)

A38104H From human neutrophils, > 96% pure (SDS-PAGE), approximate activity of 1,100 Units/mg Protein

Myoglobin

A38131H From human heart, ≥ 99% pure (SDS-PAGE)

Pregnancy Associated Plasma Protein A (PAPP-A)

A86864H From human retroplacental blood. Heterotetrameric complex consisting of PAPP-A and pro-MBP subunits, > 85% pure (SDS-PAGE), lyophilized

Procalcitonin (PCT)

A01367H Recombinant protein (*E. coli*) representing a.a. 3-116 which corresponds to the unprocessed human protein, contains a 6-His tag at N-terminal

Troponin (cTnT & cTnI)

A86111H I-T-C Complex, from human heart, formed by combining cardiac Troponin T, I and C in a molar ratio of 1:1:1
A86813H cTnT, from human heart, > 98% pure (SDS-PAGE)
A38150H cTnI, from human heart, > 98% pure (SDS-PAGE), single band ~24 kDa

Vitamin D

A01694D 25-OH Vitamin D3 BSA Conjugate, ≥ 99% Pure (HPLC)
A01698B Vitamin D Biotin Conjugate, > 95.7% Pure (HPLC)
A01697B Vitamin D BSA Conjugate
A50674H Vitamin D Binding Protein (Gc-Globulin), > 95% Pure (SDS-PAGE)
A01409H 1,25 Dihydroxy Vitamin D3, > 99% Pure (HPLC)

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