




BEIXIER

ST2: A new generation of markers of heart failure

Quantitative Diagnostic Kit for soluble growth stimulation-expressed gene 2 protein(Colloidal gold immune chromatography)



Cardiovascular disease is the "first killer" of human beings, and heart failure is the terminal stage of heart disease development .SST2 can help man predict the classification, risk stratification and death of patients with heart failure. The determination of sST2 combined with the determination of BNP or NT-proBNP can better improve the accuracy of heart failure prognosis judgment.

This product is used to quantitatively detect the concentration of sST2 in human serum, plasma or whole blood in vitro.

Hunan Beixier Biotechnology Co. LTD

Production License No. :湘食药监械生产许 20190018 号

Medical Device Registration Certificate No. :湘械注准 20202400198

Production address: room 504, building 8, jindaoyuan phase I industrial plant, No. 169, Huizhi Middle Road, high tech Development Zone, Changsha, Hunan, China

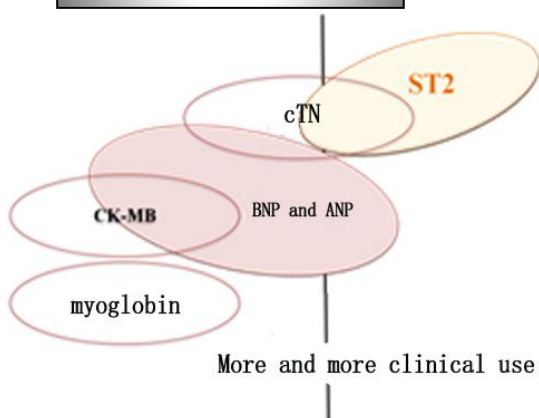
Contact:(0731) 88305496

Website: www.beirsw.com

What is a sST2?

ST2 is a member of the IL-1 receptor superfamily. There are 4 transcription products of ST2 gene. The two most important subtypes are transmembrane ST2 (ST2L) and soluble ST2 (sST2). IL-1 β can induce the expression of sST2, which is the inducible receptor of IL-33. After binding with IL-33, sST2 can aggravate myocardial remodeling and cardiac dysfunction, and accelerate the progression of HF. The release of sST2 into the blood was significantly increased after the cardiac muscle was stimulated by mechanical pull.

clinical significance



- ✧ ST2 can independently diagnose heart failure. When combined with NT-proBNP, its sensitivity and specificity of the diagnosis of heart failure are higher than that of ST2 and NT-proBNP alone. ST2 level can well predict the mortality rate of patients within one year, so it can provide data support in guiding patients whether to undergo heart transplantation, which is conducive to advance intervention to improve the cure rate and survival rate of patients.
- ✧ The 2013 ACCF/AHA Guidelines recommend soluble ST2 as a marker of myocardial fibrosis that predicts hospitalization and mortality in patients with heart failure. (Yancy et al. Circulation, 2013)

Testing steps



1 Collect blood samples



2 Dilute specimen and add specimen



3 Read the results

Special advantage

- ✧ The method is simple, report results in 20 minutes.
- ✧ Suit for clinical laboratory and clinical departments.
- ✧ linear range :5ng/mL~2000ng/mL.
- ✧ The result is accurate.
- ✧ High sensitivity: The minimum detection limit is not higher than 5ng/mL.
- ✧ Is easy to preserve: 2 ~ 40°C dry environment sealed storage, valid for 18 months. Convenient transportation and storage.

Hunan Beixier Biotechnology Co. LTD

Production address: room 504, building 8, jindaoyuan phase I industrial plant, No. 169, Huizhi Middle Road, high tech Development Zone, Changsha, Hunan, China
 Contact:(0731) 88305496
 Website: www.beirsw.com