

PRODUCT SPECIFICATIONS

Name	Anti-h ST2 10206 SPTN-5
Specificity	Antibody recognizes human soluble ST2
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
Product code	100685
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	12 months from manufacturing at 2-8 °C
Analyte description	ST2 is an interleukin-1 family receptor expressed in the heart. ST2 protein has two isoforms: a soluble (sST2) and membrane-bound form. Patients with heart failure and elevated ST2 protein levels in the blood are at risk for heart failure progression.

PARAMETERS TESTED ON EACH LOT

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10 %)
Immunoreactivity	80-120 % compared to the reference sample in an FIA test
IEF Profile	5.5 - 6.3
Purity	≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass	IgG ₁
Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-

Legal disclaimer

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Cross-reactivities

N/D

Epitope

Recognizes free sST2

Pair recommendations
CAPTURE ANTIBODY
 10206
 10201, 10202, 10203

DETECTION ANTIBODY
 10201, 10202, 10203
 10206

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Product stability
TEMPERATURE, TIME

 -70 °C, 21 days
 -20 °C, 21 days
 +4 °C, 21 days
 +35 °C, 21 days
 +45 °C, 3 days
 +45 °C, 7 days

RESULT

 OK
 OK
 OK
 OK
 OK
 Minor charge alterations

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous

Reacts with recombinant ST2 antigen, Medix Biochemica, 710020

References

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