

## PRODUCT SPECIFICATIONS

<b>Name</b>	Anti-h ST2 10202 SPTN-5
<b>Specificity</b>	Antibody recognizes human soluble ST2
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
<b>Product code</b>	100681
<b>Product buffer solution</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	Unspecified, storage at 2-8 °C
<b>Analyte description</b>	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

<b>Product appearance</b>	Liquid, may turn slightly opaque during storage
<b>Product concentration</b>	5.0 mg/ml (+/- 10 %)
<b>Immunoreactivity</b>	80-120 % compared to the reference sample in an FIA test
<b>IEF Profile</b>	6.3 - 6.8
<b>Purity</b>	≥ 95 %

## PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

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

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**Cross-reactivities**

N/D

**Epitope**

Recognizes both free sST2 and sST2 bound to IL-33

**Pair recommendations**
**CAPTURE ANTIBODY**

 10202  
10204, 10205, 10206, 10207

**DETECTION ANTIBODY**

 10204, 10205, 10206, 10207  
10202

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, 7 days

+35 °C, 21 days

+45 °C, 3 days

+45 °C, 7 days

**RESULT**

OK

OK

OK

OK

Minor charge alterations

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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