

## PRODUCT SPECIFICATIONS

<b>Name</b>	Anti-h Inhibin beta A 9504 SPTN-5
<b>Specificity</b>	Antibody recognizes human inhibin beta A subunit, also known as activin beta A.
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
<b>Product code</b>	100709
<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>	12 months from manufacturing at 2-8 °C
<b>Analyte description</b>	Inhibin beta A can form dimers with itself and both with inhibin alpha and inhibin beta B. Complex with inhibin alpha is called inhibin A. Complexes with itself and inhibin beta B are called activin A, and activin AB, respectively. Inhibin A inhibits FSH secretion, whereas activin A and activin AB stimulate FSH secretion. Inhibin A can be used in the diagnosis of Trisomy 21 and Trisomy 18.

## 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>	7.1 - 8.5
<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**

C-terminal amino acids 81–112 (CVPTKLRPMSMLYDDGQNIKKDIQNMIVVEE)

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

9504

9401

**DETECTION ANTIBODY**

9401

9504

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, 7 days

**RESULT**

OK

OK

OK

OK

OK

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**

Antibody 9504 requires sample pre-treatment by oxidation prior to binding.

**References**

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