

Anti-h Inhibin beta A 9504 SPTN-5

Product overview

Catalog number	100709
Specificity	Antibody recognizes human inhibin beta A subunit, also known as activin beta A.
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
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
Subclass	IgG ₁
Analyte description	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

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	7.1–8.5
Purity	≥ 95 %

Kinetic parameters

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



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Cross-reactivities N/D

Epitope Amino acids 81-112 (CVPTKLRPMSMLYYDDGQNIKKDIQNMIVVEE)

Pair recommendations

		DETECTION	
		9401	9504
CAPTURE	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.

Platforms tested FIA

Antigens tested N/D

Product stability	TEMPERATURE, TIME	RESULT
	-70 °C, 21 days	OK
	-20 °C, 21 days	OK
	+4 °C, 21 days	OK
	+35 °C, 21 days	OK
	+45 °C, 7 days	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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