

Anti-h AMH 11303 SPTN-5

Product overview

Catalog number	100758
Specificity	Antibody recognizes human anti-Müllerian hormone (AMH)
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	36 months from manufacturing at 2–8 °C
Subclass	IgG ₁
Analyte description	Anti-Müllerian hormone (AMH) is a glycoprotein produced by the Sertoli cells of the testis and by the granulosa cells of the ovary. It is used as biomarker to assess ovarian reserve levels.

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	6.4–7.0
Purity	≥ 95 %

Kinetic parameters

Association rate constant	4.7×10^5 1/Ms
Dissociation rate constant	5.8×10^{-5} 1/s
Affinity constant	$K_A = 8.1 \times 10^9$ 1/M; $K_D = 1.2 \times 10^{-10}$ M (= 0.12 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	Recombinant Anti-Mullerian Hormone, Medix Biochemica (LA578)



Legal disclaimer

Cross-reactivities N/D

Epitope N-terminal region of AMH within amino acids Arg26-Arg451

Pair recommendations

		DETECTION					
		11301	11302	11303	11304	11305	11309
CAPTURE	11301	+	+	+	-	-	+
	11302	+	-	+	-	-	+
	11303	+	+	+	+	-	+
	11304	-	+	+	-	-	+
	11305	+	+	+	+	-	+
	11309	+	+	+	+	-	-

Following pairs are especially recommended for the below mentioned assays:
 FIA: 11301 (capture) – 11303 (detection), 11303 – 11301 and 11309 – 11302
 LF: 11304 (membrane) – 11303 (particles)
 CLIA: 11303 (capture) – 11309 (detection) and 11304 – 11309

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, LF, CLIA

Antigens tested Recombinant Anti-Mullerian Hormone (AMH 19-449) Antigen, Medix Biochemica LA578

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 -

References -



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