

## Anti-h AMH 11309 SPTN-5

### Product overview

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<b>Catalog number</b>	100840
<b>Specificity</b>	Antibody recognizes human anti-Müllerian hormone (AMH)
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
<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>Subclass</b>	IgG <sub>1</sub>
<b>Analyte description</b>	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

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<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>	5.9–7.2
<b>Purity</b>	≥ 95 %

### Kinetic parameters

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<b>Association rate constant</b>	2.2. x 10 <sup>5</sup> 1/Ms
<b>Dissociation rate constant</b>	1.2 x 10 <sup>-5</sup> 1/s
<b>Affinity constant</b>	K <sub>A</sub> = 1.7 x 10 <sup>10</sup> 1/M; K <sub>D</sub> = 9.3 x 10 <sup>-11</sup> M (= 0.09 nM)
<b>Determination method</b>	BLI (Octet RED96e)
<b>Determination antigen</b>	Recombinant Anti-Mullerian Hormone, Medix Biochemica (Cat LA578)



#### Legal disclaimer

**Cross-reactivities** N/D

**Epitope** Amino acids Pro274-Glu279 in the N-terminal region of AMH.

**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) Antigen, Medix Biochemica LA578 and LA467

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** -



**Legal disclaimer**