

## **Anti-h AMH 11303 SPTN-5**

### **product information**

Item number : PEM19434

Specificity : Antibody recognizes human anti-Müllerian hormone (AMH)

Description : Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components

Product buffer solution : 50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN<sub>3</sub> as a preservative

Shelf life and storage : 36 months from manufacturing at 2–8 °C

Subclass : IgG1

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 :  $4.7 \times 10^5$  1/Ms

Dissociation rate constant :  $5.8 \times 10^{-5}$  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)

Cross-reactivities : N/D

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

Platforms tested : FIA, LF, CLIA

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.

