

PRODUCT SPECIFICATIONS

Date: 2017-02-17

Name	Anti-h HE4 4506 SPTN-5
Specificity	Antibody recognizes human epididymis protein 4 (HE4)
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product code	100594
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	Shelf life unspecified, storage at +2–8 °C
Analyte description	Human epididymis protein 4 (HE4), also known as WAP four-disulfide core domain protein 2, is a 124 amino acid long protease inhibitor. Serum HE4 is often measured together with CA125 to monitor progression of epithelial ovarian cancer after treatment.

PARAMETERS TESTED FROM EACH LOT

Product appearance	Clear liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10 %)
Immunoreactivity	80–120 % compared to reference in an IFMA-test
IEF Profile	6.2 – 6.9
Purity	≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass	IgG ₁
Association constant	Not determined (N/D)
Dissociation constant	N/D
Affinity constant	N/A
Determination method	N/A
Determination antigen	N/A

PRODUCT SPECIFICATIONS

Date: 2017-02-17

Cross-reactivities No cross-reactivity against cancer antigens CA125, CA19-9 or CA15-3.

Epitope N/D

Pair recommendations	CAPTURE ANTIBODY	DETECTION ANTIBODY
	4501, 4502	4506

Please note that pair recommendations are based on results obtained in our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations should be taken only as a directive.

Product stability	TEMPERATURE, DAYS	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. The maximum duration of the test is 21 days, except for the +45 °C only 7 days. Please note that the shelf life given on page one is based on real time stability testing at +2-8 °C in the product buffer.

Miscellaneous -

References -

Legal disclaimer

Medix Biochemica products meet their specifications if transported, stored and used according to the instructions. MedixMAB is a registered trademark of Medix Biochemica and may not be used or reproduced without Medix Biochemica's written permission.

Oy Medix Biochemica Ab

Headquarters and manufacturing
Klovipellontie 3
FI-02180 Espoo, Finland

medix@medixbiochemica.com
www.medixbiochemica.com
VAT reg. no. FI14631532