PRODUCT SPECIFICATIONS

Name	Anti-h HE4 4505 SPTN-5
Specificity	Antibody recognizes human epididymis protein 4 (HE4)
Description	Monoclonal mouse antibody, cultured *in vitro* under conditions free from animal-derived components
Product code	100593
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN_3 as a preservative
Shelf life and storage	24 months from manufacturing 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 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	5.9 - 7.0
Purity	≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass	IgG_1
Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-

Cross-reactivities	No cross-reactivity against cancer antigens CA125 or CA19-9

Epitope	N/D

Pair recommendations

CAPTURE ANTIBODY	DETECTION ANTIBODY
4501, 4502	4505

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.

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	–