

PRODUCT SPECIFICATIONS

Name	Anti-h CA125 4602 SPTN-5
Specificity	Antibody recognizes human cancer antigen 125 (CA125)
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
Product code	100628
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	12 months from manufacturing at 2–8 °C
Analyte description	Cancer antigen 125 is a peptide epitope on the mucin glycoprotein MUC16. CA125 is the most widely used serum biomarker to monitor epithelial ovarian cancer. It is also used for the differential diagnosis of pelvic masses.

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	6.3 - 7.3
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	-

Legal disclaimer

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Cross-reactivities No cross-reactivity against carbohydrate antigen 19-9 (CA19-9), cancer antigen 15-3 (CA15-3), CYFRA21-1, carcinoembryonic antigen (CEA), α -fetoprotein (AFP), or human epididymis protein 4 (HE4).

Epitope The antibody 4602 is M11-like and belongs to group B (ISOBM classification) as described in Nustad et al. 1996.

Pair recommendations	CAPTURE ANTIBODY	DETECTION ANTIBODY
	4602	4601
	4601	4602

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 Antibody recognizes native CA125 antigen, Lee Biosolutions 151-25.

References Nustad K, Bast RC, O'Brien TJ et al. (1996) Specificity and affinity of 26 monoclonal antibodies against the CA 125 antigen: First report from the ISOBM TD-1 Workshop. Tumor Biol 17:196-219.

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