

PRODUCT SPECIFICATIONS

Name	Anti-h CA15-3 4402 SPTN-5
Specificity	Antibody recognizes MUC-1 core protein of cancer antigen 15-3
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
Product code	100595
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Analyte description	Cancer Antigen 15-3 is defined by the use of two monoclonal antibodies, one specific for MUC-1 protein core and another antibody specific for a sialylated carbohydrate epitope on the MUC-1 protein. CA15-3 is a widely used serum marker in breast cancer patients for monitoring their response to cancer therapy.

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	6.6 – 6.7
Purity	≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass	IgG ₁ , λ light chain
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	N/D	
Epitope	Antibody binds to tandem repeat APDTRPAGSTAPPAHGVTS of the MUC-1 core protein.	
Pair recommendations	<p>CAPTURE ANTIBODY</p> <p>4404, 4403, 4402, 4401</p> <p>Antibody specific for a sialylated carbohydrate epitope on the MUC-1 protein</p>	<p>DETECTION ANTIBODY</p> <p>Antibody specific for a sialylated carbohydrate epitope on the MUC-1 protein</p> <p>4404, 4403, 4402, 4401</p>
	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	<p>TEMPERATURE, TIME</p> <p>-70 °C, 21 days</p> <p>-20 °C, 21 days</p> <p>+4 °C, 21 days</p> <p>+35 °C, 21 days</p> <p>+45 °C, 7 days</p>	<p>RESULT</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p>
	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 CA15-3 antigen, Lee Biosolutions 151-53.	
References	-	