

PRODUCT SPECIFICATIONS

Name	Anti-h CA15-3 4404 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	100584
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	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 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	6.6 - 7.2
Purity	≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass	IgG ₁ , λ light chain
Association constant	Not determined (N/D)
Dissociation constant	N/D
Affinity constant	Not applicable
Determination method	-

Determination antigen	-	
Cross-reactivities	-	
Epitope	Antibody binds to tandem repeat APDTRPAPGSTAPPAHGVTs of the MUC-1 core protein.	
Pair recommendations	CAPTURE ANTIBODY	DETECTION ANTIBODY
	4404, 4403, 4402, 4401	Antibody specific for a sialylated carbohydrate epitope on the MUC-1 protein
	Antibody specific for a sialylated carbohydrate epitope on the MUC-1 protein	4404, 4403, 4402, 4401
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. 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	-	

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