

Anti-h CA15-3 R4406 SPTN-5

Product overview

Catalog number	140033
Specificity	Antibody recognizes sialylated carbohydrate epitope on the MUC-1 protein of cancer antigen 15-3
Description	Recombinant mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
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
Subclass	IgG ₁
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 %) (A280 nm, 1 mg/ml, 1 cm = 1.6)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	6.7–7.2
Purity	≥ 95 %

Kinetic parameters

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



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Cross-reactivities N/D

Epitope Antibody binds to sialylated carbohydrate epitope on the MUC-1 protein.

Pair recommendations

		DETECTION	
		4404	R4406
CAPTURE	4404	-	+
	R4406	+	-

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.

Platforms tested FIA

Antigens tested Native CA15-3 antigen Medix Biochemica 151-53A.

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 7 days	OK
+35 °C, 21 days	Charge alterations
+45 °C, 7 days	Charge alterations

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 has similar epitope to 115D8.

References -



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