

TUMOR

PRODUCT SPECIFICATIONS

Date: 2010-05-24

PRODUCT NAME	:	Anti-h PG II 8103 SPTN-1
PRODUCT SPECIFICITY	:	Antibody recognizes human Pepsinogen II
PRODUCT CODE	:	100099
PRODUCT BUFFER	:	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.1 % NaN ₃ as a preservative
SHELF LIFE AND STORAGE	:	24 months from manufacturing at 2-8 °C
ANALYTE DESCRIPTION	:	Pepsinogen is the pro-form of pepsin and is produced in the stomach by chief cells. The major part of pepsinogen is secreted into the gastric lumen but a small amount can be found in the blood. Alterations in the serum pepsinogen concentrations has been found with <i>H.pylori</i> infections, peptic ulcer disease, gastritis, and gastric cancer. More precise analysis may be achieved by measuring the pepsinogen I/II ratio.

PARAMETERS TESTED FROM EACH LOT

PRODUCT APPEARANCE	:	Clear liquid
PRODUCT CONCENTRATION	:	1.00 mg/ml (+/- 10 %)
PRODUCT ACTIVITY	:	80-120 % compared to reference in an IFMA-test
IEF-RANGE	:	6.8 - 7.9
PURITY	:	≥ 95 %

PARAMETERS DETERMINED ONLY DURING PRODUCT R&D PHASE

CLASS AND SUBCLASS	:	IgG ₁
ASSOCIATION CONSTANT	:	
DISSOCIATION CONSTANT	:	
AFFINITY CONSTANT	:	3.5 x 10 ⁹ l/mol
DETERMINATION METHOD	:	BIA
ANTIGEN	:	PG II, Medix Biochemica in-house (B330/99)
CROSS-REACTIVITIES	:	Human Pepsinogen I 1.16 % (Medix Biochemica in-house U130/01, U123/01) Porcine Pepsinogen < 0.85 % (Sigma Cat No P-4656 Lot 82H8065) Gastrin I < 0.85 % (Sigma Cat No G-9020 Lot 32H49503) Somatostatin < 0.85 % (Sigma Cat No S-9129 Lot 44H03692) Peptide YY < 0.85 % (Sigma Cat No P-1306 Lot 73H03692) Bombesin < 0.85 % (Sigma Cat No B-4272 Lot 95H58651)

EPITOPE :

EPITOPE GROUP :

If two antibodies binding to an analyte belong to the same group they bind to the same, or closely located epitopes, and hence cannot be used as a pair in a sandwich assay. Epitope group numbering does not give any detailed information where the epitope is located.

PAIR RECOMMENDATIONS :

SOLID	LABEL
8101	8103
8103	8102

Please note that pair recommendations are based on results obtained in our laboratory and equally good results can be obtained using also other pairs and therefore these recommendations should be taken only as directive.

PRODUCT STABILITY :

TEMPERATURE, DAYS	RESULT
-70 °C, 21 days	
-20 °C, 21 days	
+4 °C, 21 days	
+25 °C, 21 days	
+35 °C, 7 days	
+35 °C, 21 days	
+45 °C, 3 days	
+45 °C, 7 days	

pH, 14 DAYS, +4 °C	RESULT
5.0	
6.0	
7.0	
8.0	

MISCELLANEOUS :

REFERENCES :

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