

PRODUCT SPECIFICATIONS

Date: 2012-08-10

PRODUCT NAME	:	Anti-h Trypsinogen-2 8607 SPTN-5
PRODUCT SPECIFICITY	:	Antibody recognizes human Trypsinogen-2
PRODUCT CODE	:	100108
PRODUCT BUFFER	:	50 mM Na-citrate, pH 7.0, 0.9 % NaCl, 0.1 % NaN ₃ as a preservative
SHELF LIFE AND STORAGE	:	12 months from manufacturing at 2-8 °C
ANALYTE DESCRIPTION	:	Trypsinogen is the precursor form of the pancreatic enzyme trypsin. It is found in pancreatic juice, along with amylase, lipase, and chymotrypsinogen. It is activated by enteropeptidase, which is found in the intestinal mucosa, to form trypsin. Once activated, the trypsin can activate more trypsinogen into trypsin. Trypsin cleaves peptide bond on carboxyl side of basic amino acids. High serum trypsinogen levels are seen in acute pancreatitis, and cystic fibrosis. Determination of urine trypsinogen-2 is also a useful test to detect acute pancreatitis and to evaluate disease severity.

PARAMETERS TESTED FROM EACH LOT

PRODUCT APPEARANCE	:	Clear liquid
PRODUCT CONCENTRATION	:	5.0 mg/ml (+/- 10 %)
PRODUCT ACTIVITY	:	80-120 % compared to reference in an IFMA-test
IEF-RANGE	:	5.7 - 6.9
PURITY	:	≥ 95 %

PARAMETERS DETERMINED ONLY DURING PRODUCT R&D PHASE

CLASS AND SUBCLASS	:	IgG _{2b}
ASSOCIATION CONSTANT	:	N/D
DISSOCIATION CONSTANT	:	N/D
AFFINITY CONSTANT	:	1.6 x 10 ⁸ l/mol
DETERMINATION METHOD	:	Radioimmunoassay (RIA)
ANTIGEN	:	Trypsinogen-2, Medix Biochemica, in-house
CROSS-REACTIVITIES	:	Human Trypsin-1 2% (Scripps, Cat.no. T0614, lot.923782) Human Trypsin-2 6% (Medix Biochemica, in house, A98/97)

EPITOPE : N/D

EPITOPE GROUP : -

Two antibodies binding to the same, or closely located epitopes, belong to the same group 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
	8607	8603
	8603	8607

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

PRODUCT STABILITY	TEMPERATURE, DAYS	RESULT
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.	-70 °C, 21 days	N/D
	-20 °C, 21 days	N/D
	+4 °C, 21 days	N/D
	+25 °C, 21 days	N/D
	+35 °C, 7 days	N/D
	+35 °C, 21 days	N/D
	+45 °C, 3 days	N/D
	+45 °C, 7 days	N/D

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. The maximum duration of the test is 21 days, except for the +45 °C only 7 days.

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

Stability testing is performed to see whether pH affects the antigen binding, charge or composition of the antibody during 14 days at +4 °C.

MISCELLANEOUS : -

REFERENCES : -

Legal disclaimer

MedixMAB monoclonal antibodies meet their specifications if transported, stored and used according to the instructions for use. See also separate *Notes on use and storage of monoclonal antibodies*. If not otherwise agreed in writing all products are sold under *General Delivery Terms*. Other terms may apply if MedixMAB monoclonal antibodies are purchased from an official distributor of Medix Biochemica products. MedixMAB is a registered trademark of Medix Biochemica and may not be used or reproduced without Medix Biochemica's written permission. Further information on products and methods is available from medixMAB website and extranet.