

## PRODUCT SPECIFICATIONS

Date: 2013-02-28

<b>PRODUCT NAME</b>	:	Anti-h ApoB 2101 SPTN-5
<b>PRODUCT SPECIFICITY</b>	:	Human Apolipoprotein B (ApoB)
<b>PRODUCT CODE</b>	:	100261
<b>PRODUCT BUFFER</b>	:	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.1 % NaN <sub>3</sub> as a preservative
<b>SHELF LIFE AND STORAGE</b>	:	18 months at 2-8 °C
<b>ANALYTE DESCRIPTION</b>	:	Apolipoprotein B (ApoB) is the primary apolipoprotein of low-density lipoproteins (LDL or "bad cholesterol"), which is responsible for carrying cholesterol to tissues. Through a mechanism that is not fully understood, high levels of ApoB can lead to plaques that cause vascular disease (atherosclerosis), leading to heart disease. There is considerable evidence that levels of ApoB are a better indicator of heart disease risk than total cholesterol or LDL. However, primarily for practical reasons, cholesterol, and more specifically, LDL-cholesterol, remains the primary lipid target and risk factor for atherosclerosis.

## PARAMETERS TESTED FROM EACH LOT

<b>PRODUCT APPEARANCE</b>	:	Clear liquid, may turn opaque during storage
<b>PRODUCT CONCENTRATION</b>	:	5.0 mg/ml (+/- 10 %)
<b>PRODUCT ACTIVITY</b>	:	80 – 120 % compared to reference in an IFMA-test
<b>IEF-RANGE</b>	:	5.9 – 6.8
<b>PURITY</b>	:	≥ 95 %

## PARAMETERS DETERMINED ONLY DURING PRODUCT R&amp;D PHASE

<b>CLASS AND SUBCLASS</b>	:	IgG <sub>1</sub>
<b>ASSOCIATION CONSTANT</b>	:	N/D
<b>DISSOCIATION CONSTANT</b>	:	N/D
<b>AFFINITY CONSTANT</b>	:	Cannot be measured due to the lack of pure antigen
<b>DETERMINATION METHOD</b>	:	N/A
<b>ANTIGEN</b>	:	N/A
<b>CROSS-REACTIVITIES</b>	:	N/D

**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**

N/D

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	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+25 °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. 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	OK
6.0	OK
7.0	OK
8.0	OK

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.