

## PRODUCT SPECIFICATIONS

Date: 2011-08-12

<b>PRODUCT NAME</b>	:	Anti-h IgE 8516 SPTN-1
<b>PRODUCT SPECIFICITY</b>	:	Antibody recognizes human Immunoglobulin E
<b>PRODUCT CODE</b>	:	100105
<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>	:	24 months from manufacturing at 2-8 °C
<b>ANALYTE DESCRIPTION</b>	:	Immunoglobulin E (IgE) is a class of antibody that has only been found in mammals. It plays an important role in allergy and defence against parasites. Although IgE is typically the least abundant isotype - blood serum IgE levels in a normal individual are only 0.05% of the IgG concentration - it is capable of triggering the most powerful immune reactions

## PARAMETERS TESTED FROM EACH LOT

<b>PRODUCT APPEARANCE</b>	:	Clear liquid
<b>PRODUCT CONCENTRATION</b>	:	1.00 mg/ml (+/- 10 %)
<b>PRODUCT ACTIVITY</b>	:	80-120 % compared to reference in an IFMA-test
<b>IEF-RANGE</b>	:	6.1 - 6.9
<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>	:	9.2 x 10 <sup>9</sup> l/mol
<b>DETERMINATION METHOD</b>	:	SPR analysis (Biacore)
<b>ANTIGEN</b>	:	IgE, Biodesign (Cat No A101644 Lot 912737)
<b>CROSS-REACTIVITIES</b>	:	Human IgA <0.32% Human IgG <0.32% Human IgM <0.32%

**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
8510	8516

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
-70 °C, 21 days	N/D
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+30 °C, 21 days	OK
+35 °C, 21 days	OK
+45 °C, 7 days	OK

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.

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

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