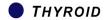




Date: 2010-05-12



PRODUCT SPECIFICATIONS

PRODUCT NAME : Anti-h TSH 5401 SP-1

PRODUCT SPECIFICITY : Antibody recognizes human Thyrotropin and the beta chain of hTSH

PRODUCT CODE : 100023

PRODUCT BUFFER : 0.9 % NaCl, 0.1 % NaN₃ as a preservative

SHELF LIFE AND STORAGE : 12 months from manufacturing at +2-8 °C

ANALYTE DESCRIPTION : Thyroid-stimulating hormone (also known as TSH or thyrotropin) is a peptide

hormone synthesized and secreted by thyrotrope cells in the anterior pituitary gland which regulates the endocrine function of the thyroid gland. TSH levels are tested in the blood of patients suspected of suffering from excess (hyperthyroidism), or

deficiency (hypothyroidism) of thyroid hormone.

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 : 6.7 - 7.7 **PURITY** : ≥ 95 %

PARAMETERS DETERMINED ONLY DURING PRODUCT R&D PHASE

CLASS AND SUBCLASS : IgG1

ASSOCIATION CONSTANT :
DISSOCIATION CONSTANT :

AFFINITY CONSTANT : 6.4×10^{10} l/mol

DETERMINATION METHOD : Radioimmunoassay (RIA)

ANTIGEN : hTSH, Boehringer (Cat No 252948 Lot 10508921-15/Aug 87)

CROSS-REACTIVITIES : TSH 100 % (Boehringer Cat No 252948 Lot 10508921-15/Aug 87)

TSH β 200 % (Boehringer Cat No 280305 Lot 10125520-05/Nov 85) hCG 0.1 % (Boehringer Cat No 253065 Lot 10774821-25/Nov 87) LH 0.8 % (Scripps Laboratories Cat No L0814 Lot 125711) FSH 1.0 % (Boehringer Cat No 252999 Lot 1483403/Jan 85)





EPITOPE : N/A

EPITOPE GROUP : 1

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	LABE
5401	5403
5401	5408

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 :

Legal disclaimer

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