

Datasheet for ABIN1301965

**anti-TSH antibody****1** Publication[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	TSH
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TSH antibody is un-conjugated
Application:	ELISA, Radioimmunoassay (RIA), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Human thyrotropin.
Clone:	TSH-51
Isotype:	IgG2a
Specificity:	The antibody TSH-51 reacts with human thyroid stimulating hormone (hTSH, thyrotropin), a glycoprotein hormone produced by the anterior pituitary gland cells in response to signals from the hypothalamus gland in the brain. The TSH-51 antibody reacts with association constant $5.5 \times 10^{10}$ l/mol. Following cross-reactivity expressed as binding of labelled hormone (% of total) was determined by solid phase RIA with excess of the antibody TSH-51: hTSH (68.6), hCG (0.03), hLH (2.99), hFSH (0.66).
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

Target:	TSH
Alternative Name:	Thyrotropin (hTSH) ( <a href="#">TSH Products</a> )
Target Type:	Hormone
Background:	Thyrotropin (hTSH) promotes the growth of the thyroid gland in the neck and stimulates it to produce more thyroid hormones. hTSH is composed of two subunits - alpha nad beta.,Thyrotropin

## Application Details

Application Notes:	RIA: The antibody TSH-51 is suitable in combination with the antibody TSH-116 for immunometric assays in the screening of neonatal hypothyroidism.
Restrictions:	For Research Use only

## Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b>
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

## Publications

Product cited in:	Jirkalová, Cáp, Straková, Příbysová, Plicka, Lomský: "Immunoradiometric and luminescence immunoenzymometric assay of human thyrotropin from dried blood spots for screening of neonatal hypothyroidism." in: <b>European journal of clinical chemistry and clinical biochemistry : journal of the Forum of European Clinical Chemistry Societies</b> , Vol. 34, Issue 10, pp. 823-7, (1997) ( <a href="#">PubMed</a> ).
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