

## ARG63112 anti-Thyroglobulin antibody [TSH-51]

Package: 100 µg

Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [TSH-51] recognizes Thyroglobulin
Tested Reactivity	Hu
Tested Application	ELISA, ICC/IF, RIA
Specificity	<p>The clone 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.</p> <p>The TSH-51 antibody reacts with association constant <math>5.5 \times 10^{10}</math> l/mol.</p> <p>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).</p>
Host	Mouse
Clonality	Monoclonal
Clone	TSH-51
Isotype	IgG2a
Target Name	Thyroglobulin
Species	Human
Immunogen	Human thyrotropin.
Conjugation	Un-conjugated
Alternate Names	AITD3; Tg; TGN; Thyroglobulin

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	ICC/IF	Assay-dependent
	RIA	Assay-dependent
Application Note	RIA: The clone TSH-51 is suitable in combination with the clone TSH-116 ( <a href="#">ARG63113</a> ) for immunometric assays in the screening of neonatal hypothyroidism. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from hybridoma culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide

Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 7038 Human</a> <a href="#">Swiss-port # P01266 Human</a>
Gene Symbol	TG
Gene Full Name	thyroglobulin
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.
Function	Precursor of the iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3). [UniProt]
Research Area	Cancer antibody; Signaling Transduction antibody
Calculated Mw	305 kDa
PTM	Sulfated tyrosines are desulfated during iodination.