

**ARG10636**  
**anti-TSH / Thyroid Stimulating Hormone antibody [11E4cc]**Package: 100 µg, 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [11E4cc] recognizes TSH / Thyroid Stimulating Hormone
Tested Reactivity	Hu
Tested Application	ELISA, sELISA
Specificity	This antibody specifically recognizes beta-subunit of Human TSH. This antibody do not cross-react with Human LH, FSH and HCG.
Host	Mouse
Clonality	Monoclonal
Clone	11E4cc
Isotype	IgG1
Target Name	TSH / Thyroid Stimulating Hormone
Species	Human
Immunogen	Human TSH.
Conjugation	Un-conjugated
Alternate Names	FSH-alpha; LSH-alpha; FSHA; Thyrotropin alpha chain; LHA; CG-alpha; GPHA1; TSHA; Chorionic gonadotrophin subunit alpha; Luteinizing hormone alpha chain; TSH-alpha; Choriogonadotropin alpha chain; GPHA; CG-ALPHA; Anterior pituitary glycoprotein hormones common subunit alpha; Follitropin alpha chain; HCG; Glycoprotein hormones alpha chain; Thyroid-stimulating hormone alpha chain; Follicle-stimulating hormone alpha chain; Lutropin alpha chain

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	sELISA	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4) and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
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.

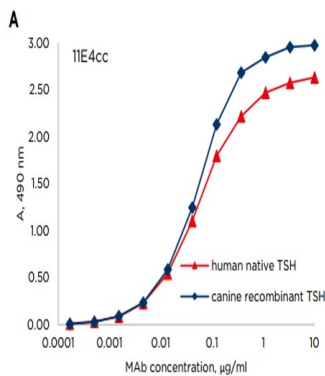
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

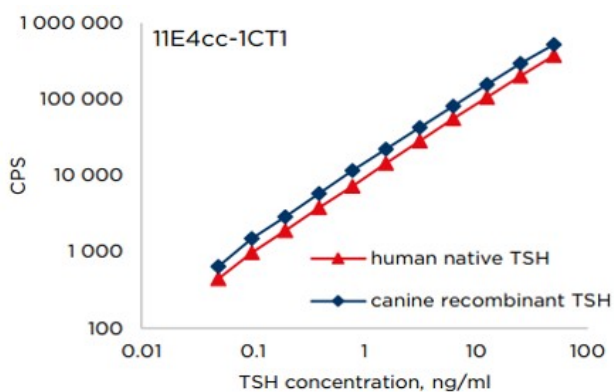
Database links	<a href="#">GeneID: 1081 Human</a> <a href="#">Swiss-port # P01215 Human</a>
Gene Symbol	CGA
Gene Full Name	glycoprotein hormones, alpha polypeptide
Background	The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. The protein encoded by this gene is the alpha subunit and belongs to the glycoprotein hormones alpha chain family. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]
Highlight	Related Antibody Duos and Panels: <a href="#">ARG30289 TSH / Thyroid Stimulating Hormone ELISA Antibody Duo</a> Related products: <a href="#">TSH antibodies</a> ; <a href="#">TSH ELISA Kits</a> ; <a href="#">TSH Duos / Panels</a> ; <a href="#">Anti-Mouse IgG secondary antibodies</a> ;
Calculated Mw	13 kDa

## Images



ARG10636 anti-TSH / Thyroid Stimulating Hormone antibody [11E4cc] ELISA image

ELISA: Titration curves of ARG10636 anti-TSH / Thyroid Stimulating Hormone antibody [11E4cc]. Antigens: Canine recombinant TSH (in-house preparation) and Human native TSH (NHPP), 0.03 µg/well.



ARG10636 anti-TSH / Thyroid Stimulating Hormone antibody [11E4cc] sELISA image

Sandwich ELISA: Calibration curves for MAb combinations 11E4cc - 1CT1. The immunoassay was performed in 96-well streptavidin-coated plates (Greiner Bio-One). Capture antibodies: ARG10636 anti-TSH / Thyroid Stimulating Hormone antibody [11E4cc] (additional biotinylated preparation). Detection antibody: ARG10635 anti-Thyroid Stimulating Hormone (TSH) antibody [1CT1] (Eu3+-labeled). Antigens: Canine recombinant TSH (in-house preparation) and native Human TSH (NHPP).