

## ARG30056 TSH / Thyroid Stimulating Hormone ELISA Antibody Duo

Package: 1 pair  
Store at: -20°C

### Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG10173	anti-TSH / Thyroid Stimulating Hormone antibody [TSH-1]	Mouse mAb	Hu	ELISA	100 µg
ARG10174	anti-TSH / Thyroid Stimulating Hormone antibody [TSH-2] (HRP)	Mouse mAb	Hu	ELISA	100 µl

### Summary

Product Description	Thyroid stimulating hormone is secreted by pituitary gland in response to the stimulation of Thyrotropin Releasing Hormone (TRH) produced by hypothalamus. TSH binds to the TSH receptors on the surface of the follicular cells in thyroid and stimulates the production of thyroid hormones (T4 and T3). TSH, T3 and T4 play an important role in normal growth, brain development in young children, and regulate the metabolism in adults. TSH secretion is increased when T3 and T4 are insufficient. Elevated TSH, but low T3 and T4 levels indicate that thyroid cannot produce thyroid hormones at a normal rate and the condition is called hypothyroidism. If T3 and T4 levels are high when TSH is at a low level, it indicates that thyroid is producing abnormally large amount thyroid hormones, and the condition is called hyperthyroidism which is manifested by hypermetabolic symptoms. TSH has an $\alpha$ subunit that is identical to the one in other glycoprotein hormones such as LH, FSH and HCG. ARG30056 Thyroid Stimulating Hormone ELISA Duos includes a capture antibody, ARG10173 TSH antibody [TSH-1] and a HRP-conjugated tracer antibody, ARG10174 TSH antibody [TSH-2] (HRP), for studying the Thyroid stimulating hormone (TSH) protein expression level by ELISA.
Target Name	TSH / Thyroid Stimulating Hormone
Alternate Names	TSH / Thyroid Stimulating Hormone ELISA antibody; Thyroid Stimulating Hormone ELISA antibody; TSH ELISA antibody; TSH / Thyroid Stimulating Hormone antibody; HRP-conjugated TSH / Thyroid Stimulating Hormone antibody

### Properties

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

Gene Full Name	Thyroid Stimulating Hormone (TSH) ELISA Antibody Duo
Research Area	Cancer antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody