



# Anti-Thyroid Stimulating Hormone monoclonal antibody, clone 6F9 (DCABH-8769)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to TSH
<b>Antigen Description</b>	Thyroid stimulating hormone, also known as thyrotropin, is secreted from cells in the anterior pituitary called thyrotrophs, finds its receptors on epithelial cells in the thyroid gland, and stimulates that gland to synthesize and release thyroid hormones. TSH is a glycoprotein hormone composed of two subunits which are non covalently bound to one another. The alpha subunit of TSH is also present in two other pituitary glycoprotein hormones, follicle stimulating hormone and luteinizing hormone, and, in primates, in the placental hormone chorionic gonadotropin. Each of these hormones also has a unique beta subunit, which provides receptor specificity. In other words, TSH is composed of alpha subunit bound to the TSH beta subunit, and TSH associates only with its own receptor. Free alpha and beta subunits have essentially no biological activity.
<b>Specificity</b>	This antibody specifically recognizes the whole molecule of TSH. It does not cross-react with human LH, FSH or HCG.
<b>Target</b>	Thyroid Stimulating Hormone
<b>Immunogen</b>	Full length native protein, TSH from human pituitary gland.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	6F9
<b>Purity</b>	Protein A purified

<b>Purification</b>	Purity was tested by electrophoresis.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA
<b>Procedure</b>	Cardiac markers Antibodies
<b>Format</b>	Liquid
<b>Size</b>	500 µg
<b>Buffer</b>	Preservative: 0.1% Sodium Azide; Constituents: PBS, pH 7.4
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	store at -20°C. Avoid freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CGA glycoprotein hormones, alpha polypeptide [ Homo sapiens ]</a>
<b>Official Symbol</b>	CGA
<b>Synonyms</b>	CGA; glycoprotein hormones, alpha polypeptide; glycoprotein hormones alpha chain; chorionic gonadotropin; alpha polypeptide; follicle stimulating hormone alpha subunit; FSHA; GPHa; GPHA1; HCG; LHA; luteinizing hormone alpha chain; lutropin alpha chain; th
<b>Entrez Gene ID</b>	<a href="#">1081</a>
<b>Protein Refseq</b>	<a href="#">NP_000726</a>
<b>UniProt ID</b>	<a href="#">P01215</a>
<b>Chromosome Location</b>	6q14-q21
<b>Pathway</b>	Amine-derived hormones, organism-specific biosystem; Androgen biosynthesis, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem.
<b>Function</b>	hormone activity; protein binding;