

TSHR monoclonal antibody, clone 3A6

Catalog # MAB6678

Size 50 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant TSHR.
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Immunogen	Recombinant protein corresponding to full length human TSHR.
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Host	Mouse
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Reactivity	Human
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Form	Liquid
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Recommend Usage	Flow Cytometry (1-5 ug/mL) The optimal working dilution should be determined by the end user.
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Storage Buffer	In PBS (0.1% proclin, 2% Block Ace)
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Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- Flow Cytometry

Gene Info — TSHR

Entrez GeneID	7253
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Gene Name	TSHR
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Gene Alias	CHNG1, LGR3, MGC75129, hTSHR-I
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Gene Description	thyroid stimulating hormone receptor
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Omim ID	603372 603373 609152
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Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a membrane protein and a major controller of thyroid cell metabolism. The encoded protein is a receptor for thyrotropin and thyrostimulin, and its activity is mediated by adenylate cyclase. Defects in this gene are a cause of several types of hyperthyroidism. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

seven transmembrane helix receptor|thyroid stimulating hormone receptor, isoform 2|thyrotropin receptor|thyrotropin receptor-I, hTSHR-I

Publication Reference

- [An improved Graves' disease model established by using in vivo electroporation exhibited long-term immunity to hyperthyroidism in BALB/c mice.](#)

Kaneda T, Honda A, Hakozaiki A, Fuse T, Muto A, Yoshida T.

Endocrinology 2007 May; 148(5):2335.

Application: Flow Cyt, Mouse , CHO-K1 cells

- [Human melanoma cells express functional receptors for thyroid-stimulating hormone.](#)

Ellerhorst JA, Sendi-Naderi A, Johnson MK, Cooke CP, Dang SM, Diwan AH.

Endocrine-Related Cancer 2006 Dec; 13(4):1269.

Application: IF, IHC, WB, Human, Human melanoma, MeWo cells, TAD cells, Thyrocytes, WM793 cells

- [TNFalpha mediates the skeletal effects of thyroid-stimulating hormone.](#)

Hase H, Ando T, Eldeiry L, Brebene A, Peng Y, Liu L, Amano H, Davies TF, Sun L, Zaidi M, Abe E.

PNAS 2006 Aug; 103(34):12849.

Application: Flow Cyt, Mouse, Mouse bone marrow macrophages

Pathway

- [Autoimmune thyroid disease](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Abortion](#)

- [Congenital Hypothyroidism](#)
- [Connective Tissue Diseases](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Goiter](#)
- [Graves Disease](#)
- [Graves Ophthalmopathy](#)
- [Hashimoto Disease](#)
- [Hypertension](#)
- [Hypothyroidism](#)
- [Infection](#)
- [Infertility](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Mitral Valve Prolapse](#)
- [Musculoskeletal Diseases](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Skin Diseases](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Thyroid Nodule](#)
- [Thyroiditis](#)
- [Thyrotoxicosis](#)

- [Tobacco Use Disorder](#)