



Anti-TSHR monoclonal antibody, clone 4B7 (CABT-23299MH)

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

PRODUCT INFORMATION

Antigen Description	<p>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 thyrothropin 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.</p> <p>Mouse monoclonal antibody raised against full length recombinant TSHR.</p>
Immunogen	Recombinant protein corresponding to full length human TSHR.
Source/Host	Mouse
Species Reactivity	Human
Clone	4B7
Conjugate	Unconjugated
Applications	Flow Cyt
Format	Liquid
Buffer	In PBS (0.1% proclin, 2% Block Ace)
Preservative	None
Storage	-20°C, Avoid freeze/thaw

GENE INFORMATION

Gene Name	TSHR thyroid stimulating hormone receptor [Homo sapiens]
Official Symbol	TSHR
Synonyms	thyroid stimulating hormone receptor; MGC75129; LGR3; Thyroid-stimulating hormone receptor; seven transmembrane helix receptor; TSH-R; thyrotropin receptor; CHNG1; hTSHR-I; thyrotropin receptor-I, hTSHR-I; thyroid stimulating hormone receptor, isoform 2
Entrez Gene ID	7253
Protein Refseq	NP_000360
UniProt ID	P16473
Chromosome Location	14q31
Pathway	Arf6 signaling events, organism-specific biosystem; Arf6 trafficking events, 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
Function	protein binding; receptor activity; thyroid-stimulating hormone receptor activity