

Product datasheet for **SM1470P**

TSH Receptor (TSHR) Mouse Monoclonal Antibody [Clone ID: 2C11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2C11
Applications:	ELISA, FC, IHC, IP, WB
Recommended Dilution:	Flow Cytometry. ELISA. Immunoprecipitation: 5-10 µg/ml. Western Blot: 5-10 µg/ml. Immunohistochemistry on Paraffin sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human TSH receptor. Spleen cells from immunised BALB/c mice were fused with cells of the NS1/Ag4.1 mouse myeloma cell line.
Specificity:	2C11 recognises both native and denatured TSH receptor (binding to an epitope at the carboxy terminus between amino acids 354 and 359). It does inhibit binding of TSH. No cross reactivity has been observed with related LH and FSH receptors. This antibody recognises the mutant TSH receptor known as I167N as well as the wild type molecule.
Formulation:	PBS, pH7.2 containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	thyroid stimulating hormone receptor



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Database Link: [Entrez Gene 7253 Human P16473](#)

Background: The thyroid stimulating hormone (TSH) receptor (otherwise known as the thyrotropin receptor) is an important molecule in controlling the growth and function of the normal thyroid.

Synonyms: Thyroid-stimulating hormone receptor, TSH-receptor, TSH-R, LGR3