

RSR

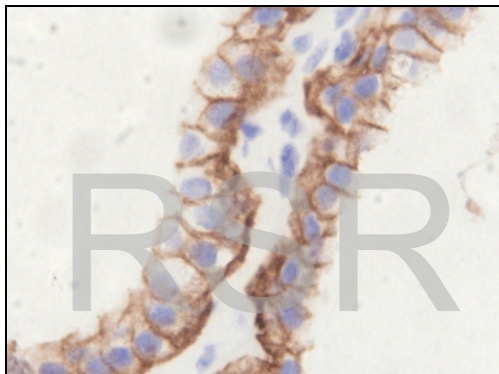
SPECIFICATIONS

TSH RECEPTOR HUMAN MONOCLONAL AUTOANTIBODY – STIMULATING TYPE

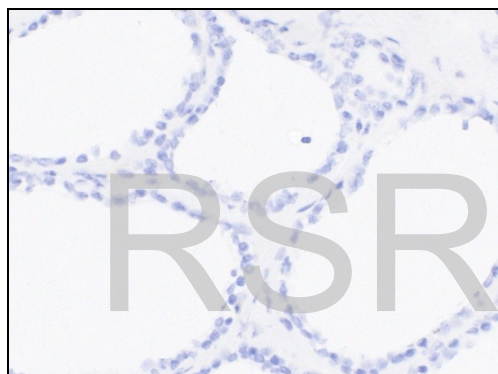
RSR – TSHR hMAb M22™

Isotype/ Light chain:	IgG 1 lambda
Expression system:	IgG purified from cell culture supernatant
Molecular weight:	150,000
Available forms:	Vials containing 40 µg IgG freeze-dried with 2.5 mg of bovine serum albumin or 1 mg per vial in frozen solution
Applications:	Suitable for use in receptor assays, bioassays and immunohistochemistry
Storage:	-20°C or below
Order code:	M22/FD/0.04 M22/FR/1.0
Literature:	J Sanders et al, Lancet 2003 362 : 126-128 Human monoclonal thyroid stimulating autoantibody B Rees Smith et al, Thyroid 2007 17 : 923-938 TSH receptor antibodies B Rees Smith et al, Horm Metab Res 2009 41 :448-455 TSH receptor – Autoantibody interactions P Sanders et al, J of Mol Endocrinol 2011 46 :81-99 Crystal structure of the TSH receptor (TSHR) bound to a blocking-type TSHR autoantibody

Immunohistochemistry:

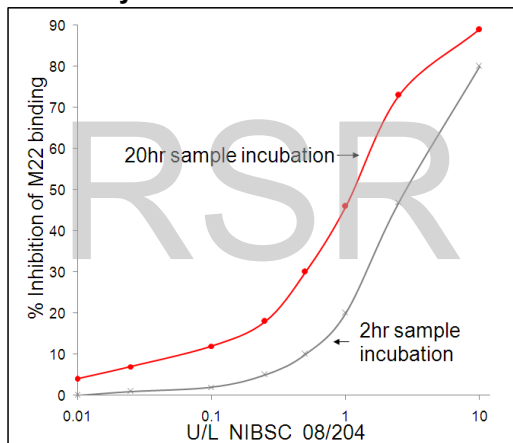


Human thyroid x 100
Stained with biotinylated M22™ (2.5µg/mL)



Human thyroid x 40
Stained with biotinylated Isotype Control (5µg/mL)

Increasing TRAb assay sensitivity:



The international standard for thyroid stimulating antibody NIBSC 08/204 was diluted in healthy blood donor serum and assayed in ElisaRSR™ TRAb 3rd Generation. Sample incubation times were 2hr at room temperature (standard assay condition) or 20hr at 2-8°C. Calibrators and controls for use in the highly sensitive 20hr incubation assay are available from RSR.

RSR Limited

Diagnostics for Autoimmunity

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