

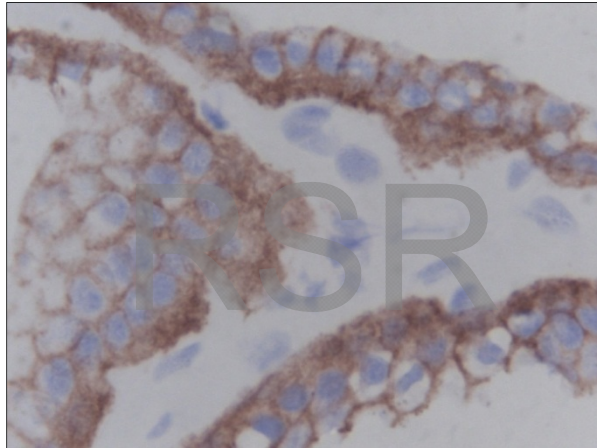
RSR

SPECIFICATIONS

TSH RECEPTOR HUMAN MONOCLONAL AUTOANTIBODY - BLOCKING TYPE

RSR – TSHR hMAb K1-70™

- Isotype /Light chain:** IgG 1 lambda
- Expression system:** IgG purified from cell culture supernatant
- Molecular weight:** 150,000
- Available forms:** Vials containing 10 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:** K170/FD/0.01
K170/FR/1.0
- Literature:** B Rees Smith et al, Horm Metab Res 2009 **41**:448-455
TSH receptor – Autoantibody interactions
M Evans et al, Clin Endocrinol 2010 **73**:404-412
Monoclonal autoantibodies to the TSH receptor, one with stimulating activity and one with blocking activity, obtained from the same blood sample
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
- Patents:** Several patents apply to commercial applications of K1-70™ including:
U.S. Patent No. 9,073,992 B2
Japanese Patent Nos. 5784504 and 5978360
Chinese Patent No. ZL 200980152452.9
European Patent Nos. EP 2617734 B1 and EP 2367850 B1
- Immunohistochemistry:**



Human thyroid x100
Stained with biotinylated K1-70™
(1.25µg/mL)



Human prostate x20
Stained with biotinylated K1-70™
(1.25µg/mL)

RSR Limited

Diagnostics for Autoimmunity

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