Datasheet: MCA1281

Description: MOUSE ANTI HUMAN THYROID STIMULATING HORMONE RECEPTOR

Specificity: THYROID STIMULATING HORMONE RECEPTOR

Other names: THYROTROPIN RECEPTOR

Format: Purified

Product Type: Monoclonal Antibody

Clone: 2C11

Isotype: IgG1

Quantity: 0.2 mg

Product Details

RRID AB_2208261

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

<table>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<tr>
<td>Immunoprecipitation</td>
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<td>-</td>
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<td>5ug/ml - 10ug/ml</td>
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<td>Western Blotting</td>
<td></td>
<td>-</td>
<td></td>
<td>5ug/ml - 10ug/ml</td>
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<tr>
<td>Functional Assays (1)</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) Removal of Sodium Azide is recommended prior to use in functional assays. Bio-Rad recommend the use of EQU003 for this purpose.

Target Species Human

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide

Carrier Free Yes
Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen

Recombinant Human TSH receptor.

External Database Links

UniProt:

P16473  Related reagents

Entrez Gene:

7253  TSHR  Related reagents

Synonyms

LGR3

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the NS1/Ag4.1 mouse myeloma cell line.

Specificity

Mouse anti Human thyroid stimulating hormone receptor antibody, clone 2C11 recognizes the human thyroid stimulating hormone receptor (TSHR) otherwise known as the thyrotropin receptor. TSHR is an important molecule in controlling the growth and function of the normal thyroid.

Mouse anti Human thyroid stimulating receptor antibody 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.

Mouse anti Human thyroid stimulating hormone receptor antibody, clone 2C11 recognizes the mutant TSH receptor known as I167N as well as the wild type molecule (Costagliola et al. 1998)

References

activation of the TSH receptor. J Clin Endocrinol Metab. 96: 548-54.


Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

18 months from date of despatch.

Health And Safety


Regulatory

For research purposes only

Recommended Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR8...) DyLight@800
Rabbit Anti Mouse IgG (STAR13...) HRP
Goat Anti Mouse IgG (STAR76...) RPE
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Rabbit Anti Mouse IgG (STAR9...) FITC
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight@488, DyLight@680, DyLight@800, FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)