Datasheet: MCA2191

**Description:** MOUSE ANTI HUMAN CALCITONIN RECEPTOR

**Specificity:** CALCITONIN RECEPTOR

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** 31/01-1H10-4-1-14

**Isotype:** IgG2a

**Quantity:** 0.1 mg

**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](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin (1)</td>
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<td>1/50 - 1/500</td>
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<td>ELISA</td>
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<td>1/1000 - 1/5000</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<td>Immunofluorescence</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. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) **Fixation with 4% paraformaldehyde is recommended for optimal results.**

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Rabbit

**N.B.** Antibody reactivity and working conditions may vary between species.

**Product Form**

Purified IgG - liquid

**Preparation**

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

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide

**Approx. Protein Concentrations**

IgG concentration 1.0 mg/ml

**Immunogen**

Synthetic peptide, DIPIYICHQELRNEPANN, derived from the cytoplasmic domain of human calcitonin receptor.
Spleen cells from immunised mice were fused with cells of the mouse SP2/0 myeloma cell line.

Mouse anti Human calcitonin receptor antibody, clone 31/01-1H10-4-1-14 recognizes the human calcitonin receptor, a membrane protein with seven transmembrane domains that is coupled to G protein messenger systems. Mouse anti Human calcitonin receptor antibody, clone 31/01-1H10-4-1-14 recognizes an epitope within the cytoplasmic domain that is common to both C1a and C1b human isoforms.

Calcitonin receptor is expressed in kidney, central and peripheral nervous systems and on osteoclasts. It is also expressed in a number of tissues during the development of the embryo and may be important in foetal morphogenesis.

References


Storage

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

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. 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 Information

Material Safety Datasheet documentation #10040 available at:

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 (STAR120...) FITC, HRP
Rabbit Anti Mouse IgG (STAR9...) FITC
Human Anti Mouse IgG2a (HCA037...) FITC, HRP
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight@488, DyLight@680, DyLight@800, FITC, HRP

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)