Datasheet: MCA1800

Description: MOUSE ANTI HUMAN PROGESTERONE RECEPTOR

Specificity: PROGESTERONE RECEPTOR

Format: S/N

Product Type: Monoclonal Antibody

Clone: 1A6

Isotype: IgG1

Quantity: 1 ml

RRID

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>
<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>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin (1)</td>
<td></td>
<td>1/40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td>1/25 - 1/50</td>
</tr>
</tbody>
</table>

Where this product 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 product for use in their own system using appropriate negative/positive controls.

(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species

Human

Product Form

Tissue Culture Supernatant - liquid

Preservative Stabilisers

15mM Sodium Azide

Immunogen

Synthetic peptide corresponding to a site of predicted high antigenicity on the human progesterone receptor.

External Database Links

UniProt: P06401 Related reagents

Entrez Gene: 5241 PGR Related reagents
**Synonyms**
NR3C3

**Fusion Partners**
Spleen cells from immunized mice were fused with cells of the mouse p3-NS1-Ag4-1 myeloma cell line.

**Specificity**
Mouse anti Human Progesterone Receptor antibody, clone 1A6 recognizes the human progesterone receptor which is a member of the steroid family of nuclear receptors. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues.

The detection of estrogen (ER) and progesterone (PR) receptors using immunohistochemical staining of formal fixed paraffin embedded (FFPE) tissue, has gradually replaced ligand binding assays (LBA), to become the most common method for the determination of the ER/PR status of breast tumors. Approximately 75% to 80% of breast tumors have estrogen and/or progesterone receptors, and the presence of these receptors helps determine both the patient’s prognosis and the effectiveness of hormonal therapy.

**Histology Positive Control Tissue**
Uterus

**References**

**Storage**
Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
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**
12 months from date of despatch.

**Health And Safety Information**
Material Safety Datasheet documentation #10053 available at:

**Regulatory**
For research purposes only

**Related 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)**

<table>
<thead>
<tr>
<th>Region</th>
<th>Tel</th>
<th>Fax</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>North &amp; South America</td>
<td>+1 800 265 7376</td>
<td>+1 919 878 3751</td>
<td><a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a></td>
</tr>
<tr>
<td>Worldwide</td>
<td>+44 (0)1865 852 700</td>
<td>+44 (0)1865 852 739</td>
<td><a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a></td>
</tr>
<tr>
<td>Europe</td>
<td>+49 (0) 89 8090 95 21</td>
<td>+49 (0) 89 8090 95 50</td>
<td><a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a></td>
</tr>
</tbody>
</table>

© 2019 Bio-Rad Laboratories Inc  |  [Legal](#)  |  [Imprint](#)