Datasheet: MCA2279

**Description:** MOUSE ANTI HUMAN ESTROGEN RECEPTOR BETA 2

**Specificity:** ESTROGEN RECEPTOR BETA 2

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** 57/3

**Isotype:** IgG1

**Quantity:** 0.1 mg

## Applications

<table>
<thead>
<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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<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>Immunoprecipitation</td>
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<td>Western Blotting</td>
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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).

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 the 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. Glycine/ EDTA preparations have also been used with success in some tissues.

**Target Species**

Human

**Product Form**

Purified IgG - liquid

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide (NaN₃)

**Approx. Protein Concentrations**

IgG concentration 1.0mg/ml

**Immunogen**

Synthetic peptide derived from the C terminus of the human estrogen receptor beta 2 isomer, CGMKMETLLPEATMEQ.
Fusion Partners

Spleen cells from immunized Balb/c mice were fused with cells of the SP2/0 myeloma cell line.

Specificity

**Mouse anti Human Estrogen Receptor beta 2 antibody, clone 57/3** recognizes the estrogen receptor beta 2 isoform, expressed in cell nuclei of a range of human tissues including the ovary, placenta, testis and vas deferens. No cross-reactivity is seen with estrogen receptor beta 1 isoform.

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

Testis

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**


**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)**