Datasheet: MCA2077S

**Description:** MOUSE ANTI HUMAN CYTOCHROME P450 AROMATASE

**Specificity:** CYTOCHROME P450 AROMATASE

**Format:** 10 X Concentrate

**Product Type:** Monoclonal Antibody

**Clone:** H4

**Isotype:** IgG2a

**Quantity:** 1 ml

### Product Details

**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.abdserotec.com/protocols](http://www.abdserotec.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</td>
<td></td>
<td></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>1:250</td>
<td></td>
</tr>
<tr>
<td>Immunofluorescence</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Rat, Marmoset, Chicken, Mouse, Pig, Baboon, Bovine, Horse, Great fruit eating bat, Rabbit, Sheep, Collared peccary, Goat

Does not react with: Giraffe

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

**Product Form**

Concentrated Tissue Culture Supernatant - liquid

**Preservative Stabilisers**

0.1% Sodium Azide

**Immunogen**

Synthetic peptide corresponding to amino acids 376 - 390 of human aromatase.

**External Database Links**

**UniProt:**

[P11511](http://www.uniprot.org/uniprot/P11511) Related reagents

**Entrez Gene:**

Synonyms  ARO1, CYAR, CYP19

Fusion Partners Spleen cells from immunised Balb/c were fused with with cells of the mouse SP20 myeloma cell line.

Specificity Mouse anti Human Cytochrome P450 Aromatase antibody, clone H4 recognizes a conserved epitope within cytochrome P450 aromatase (P450 arom). P450 arom plays an important role in estrogen biosynthesis and is highly conserved amongst mammals. P450 arom is highly expressed in placental tissue. For tissues where there may be low expression of P450 arom, the use of microsomal extracts may improve the staining for Western blots using Mouse anti Human Cytochrome P450 Aromatase antibody, clone H4 (Turner et al. 2002).

Histology Positive Control Tissue Human placenta

Western Blotting Mouse anti Human p450 Aromatase antibody, clone H4 detects a band of approximately 55 kDa in human placental extracts.

35. Kim, S.O. et al. (2014) Prostaglandin E2 (EP) receptors mediate PGE2-specific events in

**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.

**Shelf Life**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only