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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/250
Immunofluorescence	▪			

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 Related reagents

Entrez Gene:
1588 CYP19A1 Related reagents

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.

References

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	ovulation and luteinization within primate ovarian follicles. Endocrinology. 155 (4): 1466-75.
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	Material Safety Datasheet Documentation #10336 available at: http://www.abdserotec.com/uploads/MSDS/10336.pdf
Regulatory	For research purposes only

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