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Produktinformation



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

CYP19A1 monoclonal antibody (M03), clone 2B6

Catalog # : H00001588-M03

規格 : [100 ug]

[List All](#)

Specification

Product Description: Mouse monoclonal antibody raised against a full length recombinant CYP19A1.

Immunogen: CYP19A1 (AAH35714, 48 a.a. ~ 218 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence: PGGGYCMGIGPLISHGRFLWMGIGSACNYNRYVGEFMRVWISGEETLII
SKSSSMFHIMKHNHYSSRFGSKLGLQCIGMHEKGIIFNNPELWKTTRPF
FMKALSGPGLVRMVTVCAESLKTHLDRLEEVTNESGYVDVLTLLRRVML
DTSNTLFLRIPLDGTEIFTLTS

Host: Mouse

Reactivity: Human

Isotype: IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.

Storage Buffer: In 1x PBS, pH 7.4

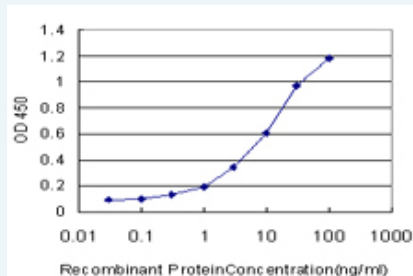
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)


Datasheet:  [Download](#)

Applications

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged CYP19A1 is approximately 0.3ng/ml as a capture antibody.

 [Protocol Download](#)

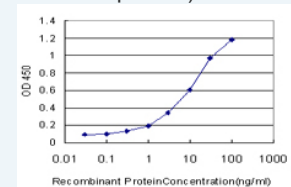
ELISA


Gene Information

Entrez GeneID: [1588](#)

Application Image

Sandwich ELISA (Recombinant protein)



 [enlarge](#)

ELISA

**GeneBank
Accession#:** [BC035714](#)

**Protein
Accession#:** [AAH35714](#)

Gene Name: CYP19A1

Gene Alias: ARO,ARO1,CPV1,CYAR,CYP19,MGC104309,P-450AROM

**Gene
Description:** cytochrome P450, family 19, subfamily A, polypeptide 1

Omim ID: [107910](#), [139300](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and catalyzes the last steps of estrogen biosynthesis, three successive hydroxylations of the A ring of androgens. Mutations in this gene can result in either increased or decreased aromatase activity; the associated phenotypes suggest that estrogen functions both as a sex steroid hormone and in growth or differentiation. The gene expresses two transcript variants. [provided by RefSeq]

**Other
Designations:** OTTHUMP00000162543,aromatase,cytochrome P450, family 19,cytochrome P450, subfamily XIX (aromatization of androgens),estrogen synthetase,flavoprotein-linked monooxygenase,microsomal monooxygenase

Gene Pathway

[Androgen and estrogen metabolism](#) [Metabolic pathways](#)

Related Disease

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[Adenocarcinoma](#), [Bronchiolo-Alveolar Adenocarcinoma](#), [Mucinous Alopecia](#)
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