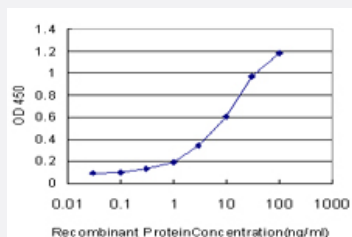


CYP19A1 monoclonal antibody (M03), clone 2B6

Catalog # H00001588-M03

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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

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	PGPGYCMGIGPLISHGRFLWMGIGSACNYNRYVYGEFMRVWISGEETLISKSSSMFHIMKHNHYSS RFGSKLGLQCIGMHEKGIIFFNNNPWLKTRPFFMKALSGPGLVRMVTVCAESLKTHLDRLEEVTN ESGYVDVLTLLRRVMLDTSNTLFLRIPLDGTEIFTLTS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (81)
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.

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 Info — CYP19A1

Entrez GeneID	1588
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 XI X (aromatization of androgens) estrogen synthetase flavoprotein-linked monooxygenase microsomal monooxygenase

Pathway

- [Androgen and estrogen metabolism](#)

- [Metabolic pathways](#)

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Alopecia](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asperger Syndrome](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cadaver](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Cryptorchidism](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Fetal Diseases](#)
- [Fibroadenoma](#)
- [Fibrocystic Breast Disease](#)
- [Fractures](#)
- [Gender Identity](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Gynecomastia](#)
- [Hip Fractures](#)
- [Hot Flashes](#)
- [Hyperandrogenism](#)
- [Hyperplasia](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Infection](#)
- [Infertility](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Leiomyoma](#)

- [Leiomyomatosis](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Musculoskeletal Diseases](#)
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- [Neoplasm Metastasis](#)
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- [Ovarian Hyperstimulation Syndrome](#)
- [Ovarian Neoplasms](#)
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- [Peripheral Vascular Diseases](#)
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- [Precancerous Conditions](#)

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- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)
- [Weight Loss](#)
- [Werner syndrome](#)