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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CYP7A1 monoclonal antibody (M01), clone 8F1

Catalog # : H00001581-M01

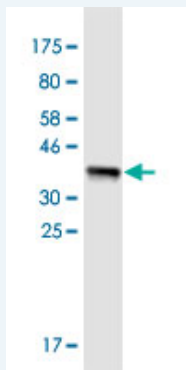
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant CYP7A1.
Immunogen:	CYP7A1 (NP_000771.2, 179 a.a. ~ 277 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MFEAGYLTIFGRDLTRRDTQKAHILNLDNFKQFDKVFALVAGLPIHMFRTAHNAREKLAESLRHENLQKRESISELISLRMFLNDTLSTFDDLEKAK
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.63 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

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

Datasheet:  [Download](#)

Applications

Western Blot (Recombinant protein)

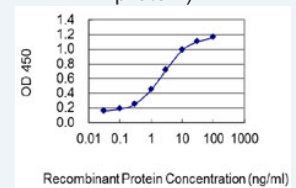
 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)

Application Image

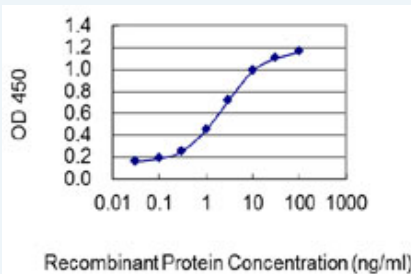
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



 [enlarge](#)

ELISA



Detection limit for recombinant GST tagged CYP7A1 is 0.03 ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [1581](#)

GeneBank [NM_000780.3](#)

Accession#:

Protein [NP_000771.2](#)

Accession#:

Gene Name: CYP7A1

Gene Alias: CP7A,CYP7,MGC126826,MGC138389

Gene Description: cytochrome P450, family 7, subfamily A, polypeptide 1

Omim ID: [118455](#)

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 endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway in the liver, which converts cholesterol to bile acids. This reaction is the rate limiting step and the major site of regulation of bile acid synthesis, which is the primary mechanism for the removal of cholesterol from the body. [provided by RefSeq]

Other Designations: cholesterol 7 alpha-monooxygenase,cholesterol 7-alpha-hydroxylase,cytochrome P450, subfamily VIIA (cholesterol 7 alpha-monooxygenase), polypeptide 1

Gene Pathway

[Metabolic pathways](#) [PPAR signaling pathway](#) [Primary bile acid biosynthesis](#)

Related Disease

[Adenoma](#) [Asperger Syndrome](#) [Atherosclerosis](#) [Autistic Disorder](#) [Carcinoma, Hepatocellular](#) [Cardiovascular Diseases](#) [Carotid Artery Diseases](#) [Colon cancer](#) [Colorectal Neoplasms](#) [Coronary Artery Disease](#) [Coronary Disease](#) [Drug Toxicity](#) [Dyslipidemias](#) [Edema](#) [Gallbladder Neoplasms](#) [Gallstones](#) [Genetic Predisposition to Disease](#) [Hypercholesterolemia](#) [Hyperlipidemias](#)

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