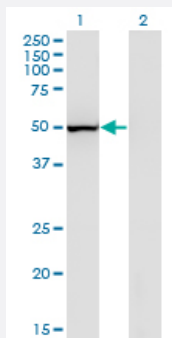


PTGIS monoclonal antibody (M02), clone 3B11

Catalog # H00005740-M02

Size 100 ug

Applications

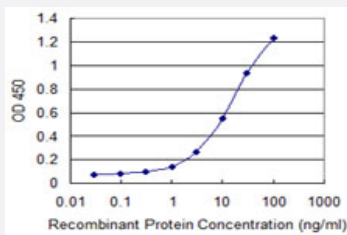


Western Blot (Transfected lysate)

Western Blot analysis of PTGIS expression in transfected 293T cell line by PTGIS monoclonal antibody (M02), clone 3B11.

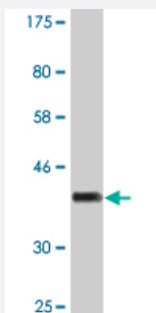
Lane 1: PTGIS transfected lysate (Predicted MW: 57.1 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PTGIS.

Immunogen	PTGIS (NP_000952, 391 a.a. ~ 500 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PQRDPEIYTDPEVFKYNRFLNPDGSEKKDFYKDGKRLKNYNMPWGAGHNNHCLGRSYAVNSIKQFVFLVLVHLDLELINADVEIPEFDLSRYGFGLMQPEHDVPVRYRIRP
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PTGIS expression in transfected 293T cell line by PTGIS monoclonal antibody (M02), clone 3B11.

Lane 1: PTGIS transfected lysate (Predicted MW: 57.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — PTGIS

Entrez GeneID [5740](#)

GeneBank Accession# [NM_000961](#)

Protein Accession#	NP_000952
Gene Name	PTGIS
Gene Alias	CYP8, CYP8A1, MGC126858, MGC126860, PGIS, PTGI
Gene Description	prostaglandin I2 (prostacyclin) synthase
Omim ID	145500 601699
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. However, this protein is considered a member of the cytochrome P450 superfamily on the basis of sequence similarity rather than functional similarity. This endoplasmic reticulum membrane protein catalyzes the conversion of prostglandin H2 to prostacyclin (prostaglandin I2), a potent vasodilator and inhibitor of platelet aggregation. An imbalance of prostacyclin and its physiological antagonist thromboxane A2 contribute to the development of myocardial infarction, stroke, and atherosclerosis. [provided by RefSeq]
Other Designations	OTTHUMP00000031777 cytochrome P450, family 8, subfamily A, polypeptide 1

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)

- [Cerebral Infarction](#)
- [Chronic Disease](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
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- [Stroke](#)
- [Werner syndrome](#)