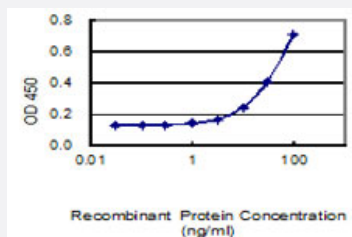


ANGPTL4 monoclonal antibody (M03), clone 1F19

Catalog # H00051129-M03

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ANGPTL4 is 1 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ANGPTL4.
Immunogen	ANGPTL4 (AAH23647.1, 26 a.a. ~ 406 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAERTRSQLSALERRLSACGSACQGTEGSTD LPLAPESRVDPEVLHSLQTQLKAQNSRIQQLFHKVAQQQRHLEKQHLRIQHLQSQFGLLDHKHLD HEVAKPARRKRLPEMAQPVDPAHNVSRLHRLPRDCQELFQVGERQSGLFELIQPGSPFLVNC KMTSDGGWTVIQRHRDGSVDFNRPWEAYKAGFGDPHGEFWLGLEKVHSITGDRNSRLAVQLRD WDGNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPVPSGLSVPFSTWDQDHDLRDKNCA KSLSGGWWFGTCSHNLNGQYFRSIPQQRQKLKKGIFWKTWRGRYHPLQATTMLIQPIAAEAAS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (75); Rat (76)
Isotype	IgG2b 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 ANGPTL4 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ANGPTL4

Entrez GeneID
[51129](#)
GeneBank Accession#
[BC023647](#)
Protein Accession#
[AAH23647.1](#)
Gene Name

ANGPTL4

Gene Alias

ANGPTL2, ARP4, FIAF, HFARP, NL2, PGAR, pp1158

Gene Description

angiopoietin-like 4

Omim ID
[605910](#)
Gene Ontology
[Hyperlink](#)
Gene Summary

This gene is a member of the angiopoietin/angiopoietin-like gene family and encodes a glycosylated, secreted protein with a fibrinogen C-terminal domain. This gene is induced under hypoxic conditions in endothelial cells and is the target of peroxisome proliferation activators. The encoded protein is a serum hormone directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity and also acts as an apoptosis survival factor for vascular endothelial cells. The encoded protein may play a role in several cancers and it also has been shown to prevent the metastatic process by inhibiting vascular activity as well as tumor cell motility and invasiveness. Decreased expression of this protein has been associated with type 2 diabetes. Alternatively spliced transcript variants encoding different isoforms have been described. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4. [provided by RefSeq]

Other Designations

PPARG angiopoietin related protein|angiopoietin-like 4 protein|angiopoietin-related protein 4|fast insulin-induced adipose factor|hepatic angiopoietin-related protein|hepatic fibrinogen/angiopoietin-related protein|peroxisome proliferator-activated receptor (P

Pathway

- [PPAR signaling pathway](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Syndrome](#)
- [Weight Gain](#)