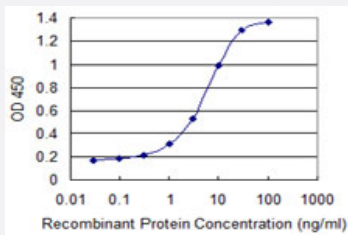


# PIP5K3 monoclonal antibody (M02), clone 1D11

Catalog # H00200576-M02

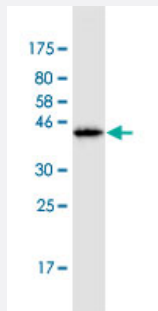
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PIP5K3 is 0.1 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 PIP5K3.                                              |
| Immunogen           | PIP5K3 (NP_689884, 342 a.a. ~ 451 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence            | LQSTEFSETPSPDSDSVNSVEGHSEPSWFKDIKFDDSDTEQIAEEGDDNLANSASPSKRTSVSS<br>FQSTVDSDSAASISLNVELDNVNFHIKKPSKYPHVPPHPADQKGRR  |
| Host                | Mouse                                                                                                               |
| Reactivity          | Human                                                                                                               |
| Isotype             | IgG2a 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PIP5K3 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PIP5K3

**Entrez GeneID**

[200576](#)

**GeneBank Accession#**

[NM\\_152671](#)

**Protein Accession#**

[NP\\_689884](#)

**Gene Name**

PIP5K3

**Gene Alias**

CFD, FAB1, KIAA0981, MGC40423, PIKFYVE, PIP5K

**Gene Description**

phosphatidylinositol-3-phosphate/phosphatidylinositol 5-kinase, type III

**Omim ID**

[121850 609414](#)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

PIP5K3 belongs to a large family of lipid kinases that alter the phosphorylation status of intracellular phosphatidylinositol. Signaling by phosphorylated species of phosphatidylinositol regulates diverse cellular processes, including membrane trafficking and cytoskeletal reorganization (Shisheva et al., 1999 [PubMed 9858586]).[supplied by OMIM]

**Other Designations**

1-phosphatidylinositol-4-phosphate 5-kinase|FYVE finger-containing phosphoinositide kinase|OTTHUMP00000163872|PtdIns(4)P-5-kinase|phosphatidylinositol-3-phosphate 5-kinase type III|phosphatidylinositol-4-phosphate 5-kinase, type III

**Pathway**

- [Endocytosis](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)
- [Regulation of actin cytoskeleton](#)

**Disease**

- [Tobacco Use Disorder](#)