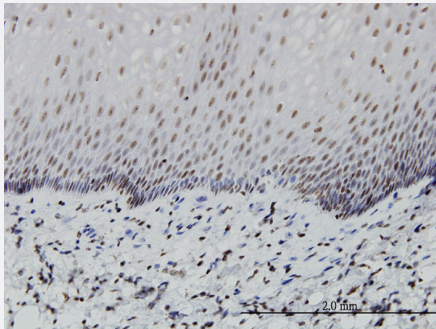


# PTF1A monoclonal antibody (M05), clone 1A2

Catalog # H00256297-M05

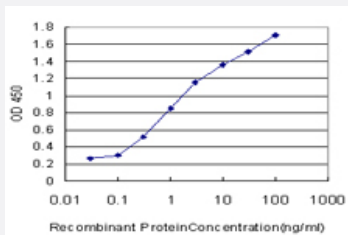
Size 100 ug

## Applications



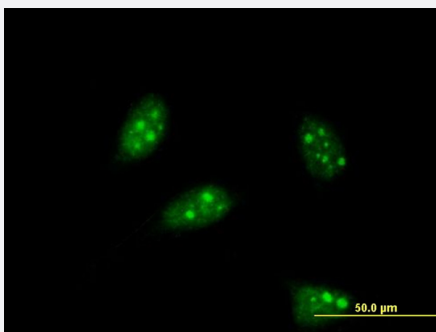
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PTF1A on formalin-fixed paraffin-embedded human esophagus. [antibody concentration 3 ug/ml]



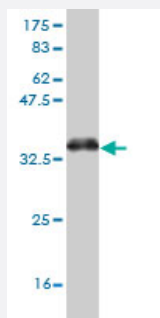
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTF1A is approximately 0.03ng/ml as a capture antibody.



### Immunofluorescence

Immunofluorescence of monoclonal antibody to PTF1A on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (34.8 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant PTF1A.
<b>Immunogen</b>	PTF1A (NP_835455, 250 a.a. ~ 328 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	QAQKVIIICHRGTRSPSPSPDPDYGLPPLAGHSLSWTDEKQLKEQNIIRTAKVWTPEDPRKLNSKSS FNNIENEPPFEFVS
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG2a
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.8 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PTF1A on formalin-fixed paraffin-embedded human esophagus. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTF1A is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PTF1A on HeLa cell . [antibody concentration 10 ug/ml]

## Gene Info — PTF1A

Entrez GeneID [256297](#)

GeneBank Accession# [NM\\_178161](#)

Protein Accession# [NP\\_835455](#)

Gene Name PTF1A

Gene Alias PTF1-p48, bHLHa29

Gene Description pancreas specific transcription factor, 1a

Omim ID [607194 609069](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a protein that is a component of the pancreas transcription factor 1 complex (PTF1) and is known to have a role in mammalian pancreatic development. The protein plays a role in determining whether cells allocated to the pancreatic buds continue towards pancreatic organogenesis or revert back to duodenal fates. The protein is thought to be involved in the maintenance of exocrine pancreas-specific gene expression including elastase 1 and amylase. Mutations in this gene cause cerebellar agenesis and loss of expression is seen in ductal type pancreas cancers. [provided by RefSeq]

**Other Designations** OTTHUMP00000019309|bHLH transcription factor p48|class II bHLH protein PTF1A|exocrine pancreas-specific transcription factor p48|p48 DNA-binding subunit of transcription factor PTF1|pancreas transcription factor 1 subunit alpha

## Publication Reference

- [Expression and clinicopathological characteristics of PDX1, PTF1A, and SALL4 in large and small ducts of ectopic pancreas located in gastro-duodenum and jejunum.](#)

Mengxi Chen, Takehiro Tanaka, Takuro Igawa, Yanyan Han, Fangli Peng, Zaishun Jin, Tadashi Yoshino.

Heliyon 2023 Jul; 9(7):e18241.

Application: IHC, Dot , Human, Stomach, jejunum, duodenum