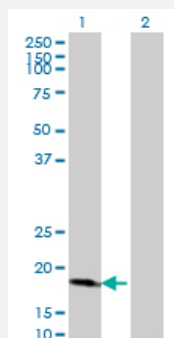


# CDKN2D monoclonal antibody (M08), clone 2E10

Catalog # H00001032-M08

Size 100 ug

## Applications

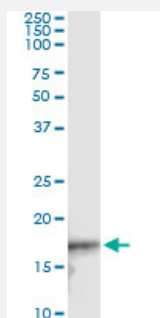


### Western Blot (Transfected lysate)

Western Blot analysis of CDKN2D expression in transfected 293T cell line by CDKN2D monoclonal antibody (M08), clone 2E10.

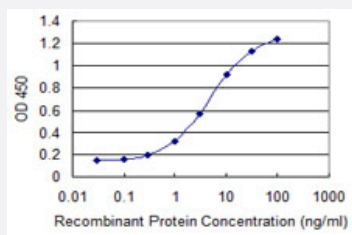
Lane 1: CDKN2D transfected lysate (17.7 KDa).

Lane 2: Non-transfected lysate.



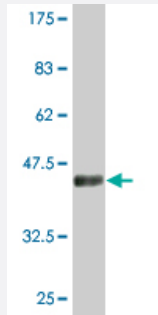
### Immunoprecipitation

Immunoprecipitation of CDKN2D transfected lysate using anti-CDKN2D monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with CDKN2D MaxPab rabbit polyclonal antibody.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDKN2D is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (44 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full-length recombinant CDKN2D.
<b>Immunogen</b>	CDKN2D (AAH01822, 1 a.a. ~ 166 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MLLEEVVAGDRLSGAAARGDVQEVRRLLHRELVHPDALNRFGKTALQVMMFGSTAIALELLKQG VSPNVQDTSGTSPVHDAARTGFLDTLKVLEHGADVNPDPGTGALPIHLAVQEGHTAVVSFLAA ESDLHRRDARGLTPELEALQGAQDLVDILQGHMVAPL
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG2b Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (44 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 (Transfected lysate)

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Lane 1: CDKN2D transfected lysate(17.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of CDKN2D transfected lysate using anti-CDKN2D monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with CDKN2D MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDKN2D is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — CDKN2D

Entrez GeneID [1032](#)

GeneBank Accession# [BC001822](#)

Protein Accession# [AAH01822](#)

Gene Name CDKN2D

Gene Alias INK4D, p19, p19-INK4D

Gene Description cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)

Omim ID [600927](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to form a stable complex with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. The abundance of the transcript of this gene was found to oscillate in a cell-cycle dependent manner with the lowest expression at mid G1 and a maximal expression during S phase. The negative regulation of the cell cycle involved in this protein was shown to participate in repressing neuronal proliferation, as well as spermatogenesis. Two alternatively spliced variants of this gene, which encode an identical protein, have been reported. [provided by RefSeq]

**Other Designations** CDK inhibitor p19INK4d|cell cycle inhibitor, Nur77 associating protein|cyclin-dependent kinase 4 inhibitor D p19|cyclin-dependent kinase inhibitor 2D|inhibitor of cyclin-dependent kinase 4d

## Pathway

- [Cell cycle](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Multiple endocrine neoplasia](#)
- [Multiple Endocrine Neoplasia Type 1](#)
- [Neoplasm Invasiveness](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)