

## Mouse CDKN2A ELISA Kit | CDKN2A elisa kit

Mouse CDKN2A (Cyclin Dependent Kinase Inhibitor 2A) ELISA Kit

CATALOG #  
**AAA164424**

REACTIVITY  
**Mouse**

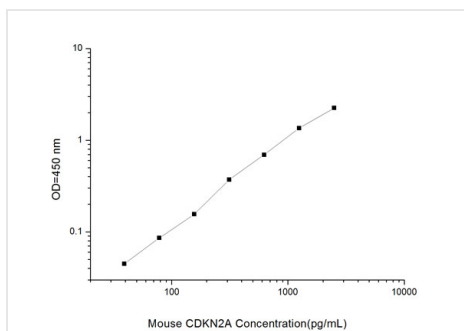
### PRODUCT SYNONYMS

CDKN2A; Mouse CDKN2A (Cyclin Dependent Kinase Inhibitor 2A) ELISA Kit; CDKN2A elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Mouse CDKN2A. No significant cross-reactivity or interference between Mouse CDKN2A and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Mouse CDKN2A and all the analogues, therefore, cross reaction may still exist. |
| Sequence Length         | 132                                                                                                                                                                                                                                                                                                                                                                                                 |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                                                                                                                                                                                                                                                                    |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                                                            |
| Detection Range         | 39.063-2500pg/mL                                                                                                                                                                                                                                                                                                                                                                                    |
| Sensitivity             | Min: 23.438pg/mL; Max: 2500pg/mL                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                                                                                                                                                                                                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CDKN2A elisa kit | <p><b>Description:</b> The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CDKN2A in Mouse serum, plasma and other biological fluids</p> <p><b>Principle of the Assay:</b> This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Mouse CDKN2A. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Mouse CDKN2A and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Mouse CDKN2A, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Mouse CDKN2A. You can calculate the concentration of Mouse CDKN2A in the samples by comparing the OD of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 300863096                                                                                                                                                                                                                                          |
| NCBI GeneID                      | 1029                                                                                                                                                                                                                                               |
| NCBI Accession #                 | NP_478102.2                                                                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_058195.3                                                                                                                                                                                                                                        |
| UniProt Accession #              | Q8N726; Q13195; Q13399; Q16360; Q7KZR9; D3DRK2; P42771                                                                                                                                                                                             |
| Molecular Weight                 | 16,533 Da                                                                                                                                                                                                                                          |
| NCBI Official Full Name          | cyclin-dependent kinase inhibitor 2A isoform p14ARF                                                                                                                                                                                                |
| NCBI Official Synonym Full Names | cyclin-dependent kinase inhibitor 2A                                                                                                                                                                                                               |
| NCBI Official Symbol             | CDKN2A                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | ARF; MLM; P14; P16; P19; CMM2; INK4; MTS1; TP16; CDK4I; CDKN2; INK4A; MTS-1; P14ARF; P19ARF; P16INK4; P16INK4A; P16-INK4A                                                                                                                          |
| NCBI Protein Information         | cyclin-dependent kinase inhibitor 2A; CDK4 inhibitor p16-INK4; CDKN2A; cell cycle negative regulator beta; cyclin-dependent kinase 4 inhibitor A; cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4); multiple tumor suppressor 1 |
| UniProt Protein Name             | Cyclin-dependent kinase inhibitor 2A, isoform 4                                                                                                                                                                                                    |
| UniProt Gene Name                | CDKN2A                                                                                                                                                                                                                                             |
| UniProt Entry Name               | CD2A2_HUMAN                                                                                                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.