# Mouse POU domain, class 5, transcription factor 2 (POU5F2) ELISA Kit

Catalog No: #EK11432

Package Size: #EK11432-1 48T #EK11432-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

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|---|---|
| Product Name | Mouse POU domain, class 5, transcription factor 2 (POU5F2) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Mouse (Mus musculus) |
| Other Names | DKFZp686P02123; FLJ25680; SPRM-1; |
| Accession No. | Q9DAC9 |
| Uniprot | Q9DAC9 |
| GeneID | 75507; |
| Storage | The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C). |

## Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate POU5F2 in samples. An antibody specific for POU5F2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPOU5F2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for POU5F2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of POU5F2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:POU5F2, Belongs to the POU transcription factor family. Class-5 subfamily. POU domain genes constitute a family of transcription factors that exhibit distinct temporal and spatial patterns of expression.
In the brain, the highest expression levels were found in specific cell layers of the cortex, the olfactory bulb, the hippocampus and the cerebellum. mPOU is shown to bind to DNA sequences containing the octamer motif and other POU factor target sites. The distinct expression pattern and divergent DNA-binding characteristics indicate that mPOU may regulate a distinct set of genes.

Note: This product is for in vitro research use only