

Mouse Monoclonal Antibody to 4-Oct

Order Information

Catalog#	20384	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

Description

Members of Oct family of transcription factors specifically interact with Octamer motif ATGCAAAT, a regulatory element important for tissue- and cell-specific transcription as well as for transcription of a number of housekeeping genes. All of the members of the Oct family contain two highly conserved domains which are separated by 14-26 variable amino acids. These include the POU homeodomain and the POU-specific domain. Both are required for DNA binding and are involved in protein-protein interactions. Evidences indicate that regulation of Oct family transcription factors occurs at the level of phosphorylation. Oct4 is renowned as a transcription factor expressed by undifferentiated embryonic stem cells and embryonic germ cells.

Specification

Aliases : OCT3; POU5F1

Entrez GeneID : 5460

Swissprot : Q01860

clone : 3A5

WB Predicted band size : 39kDa

Host/Isotype : Mouse IgG1

Storage : Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Species Reactivity : Human

Immunogen : Purified recombinant fragment of OCT4 expressed in E. Coli.

Formulation : Ascitic fluid containing 0.03% sodium azide.

Application

ELISA 1/10000

References

1. Stem Cells. 2009 Mar;27(3):543-9.
2. Genome Biol. 2008;9(12):R172.






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Protocol

WB - www.promab.com/protocol/wb.html
IHC - www.promab.com/protocol/ihc.html
ICC - www.promab.com/protocol/icc.html
HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

Products and Services

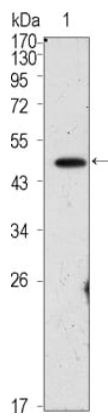
-  Mouse Monoclonal Antibody
-  Rat Monoclonal Antibody
-  Human Antibody
-  Hybridoma Sequencing
-  Polyclonal Antibody

For Research Only

Application Key:WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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Western blot analysis using OCT4 mouse mAb against PMA treated HepG2 cell lysate (1).

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