
Product Name: OCT3 Mouse Monoclonal Antibody**Catalog #: AMM80771**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ELISA,FC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	39kDa

Antigen Information

Gene Name	OCT3
Alternative Names	OCT3; POU5F1
Gene ID	5460.0
SwissProt ID	Q01860
Immunogen	Purified recombinant fragment of OCT4 expressed in E. Coli.

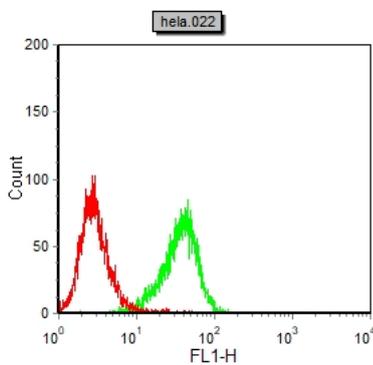
Background

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

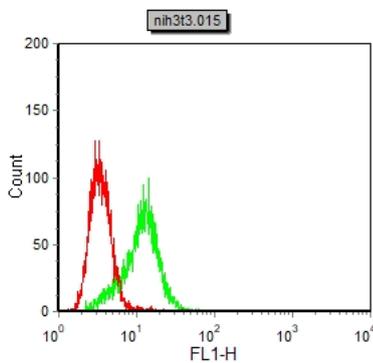
include the POU homeodomain and the POU-specific domain. Both are required for DNA binding and are involved in protein-protein interactions. Evidences indicate that regulation of Oct family transcription factors occurs at the level of phosphorylation. Oct4 is renowned as a transcription factor expressed by undifferentiated embryonic stem cells and embryonic germ cells.

Research Area

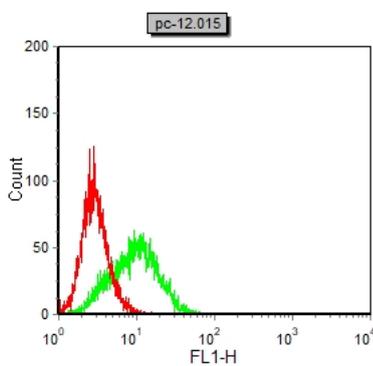
Image Data



Flow cytometric analysis of HeLa cells using 4-Oct mouse mAb (green) and negative control (red).



Flow cytometric analysis of NIH3T3 cells using 4-Oct mouse mAb (green) and negative control (red).



Flow cytometric analysis of PC-12 cells using 4-Oct mouse mAb (green) and negative control (red).