



OCT4 Monoclonal Antibody (T.631.9)

Catalog Number:MA5-14845

Product Data Sheet

Details	
Size	100 µL
Host / Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	T.631.9
Immunogen	Recombinant protein specific to the amino terminus of human Oct-4A
Form:	Liquid
Purification:	Affinity chromatography
Storage Buffer:	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Contains	<0.02% sodium azide
Storage Conditions:	-20°C

Species Reactivity	
Tested species reactivity	Human Mouse

Tested Applications	Dilution *
Western Blot (WB)	1:1000
Immunofluorescence (IF)	1:400
Immunocytochemistry (ICC)	1:400
Flow Cytometry (Flow)	1:600

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product Specific Information

It is not recommended to aliquot this antibody.

General Information

This gene encodes a transcription factor containing a POU homeodomain. This transcription factor plays a role in embryonic development, especially during early embryogenesis, and it is necessary for embryonic stem cell pluripotency. A translocation of this gene with the Ewing's sarcoma gene, t(6;22)(p21;q12), has been linked to tumor formation. Alternative splicing, as well as usage of alternative translation initiation codons, results in multiple isoforms, one of which initiates at a non-AUG (CUG) start codon. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12.

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