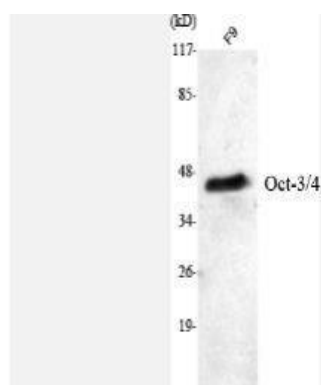


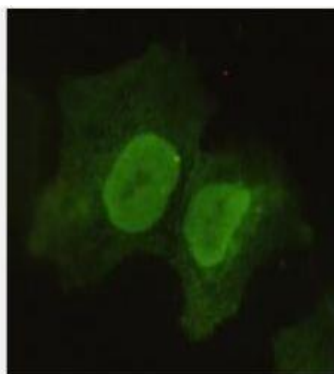
Oct-3/4 Monoclonal Antibody

Catalog No.	IMB0131
Reactivity	Human
Applications	WB; FCM; IF/ICC
Gene Name	POU5F1
Protein Name	POU domain class 5 transcription factor 1
Human Gene Id	5460
Swiss-Prot	Q01860
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Source	Monoclonal, Mouse
Dilution	WB: 1:1000-1:2000 FCM: 1:100-1:200 IF: 1:100-1:500
Purification	Affinity purification
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Background	This gene encodes a transcription factor containing a POU homeodomain that plays a key role in embryonic development and stem cell pluripotency. Aberrant expression of this gene in adult tissues is associated with tumorigenesis. This gene can participate in a translocation with the Ewing's sarcoma gene on chromosome 21, which also leads to tumor formation. Alternative splicing, as well as usage of alternative AUG and non-AUG translation initiation codons, results in multiple isoforms. One of the AUG start codons is polymorphic in human populations. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12. [provided by RefSeq, Oct 2013],
Subcellular Location.	Cytoplasm. Nucleus. Expressed in a diffuse and slightly punctuate pattern. Colocalizes with MAPK8 and MAPK9 in the nucleus.
Bioware	-

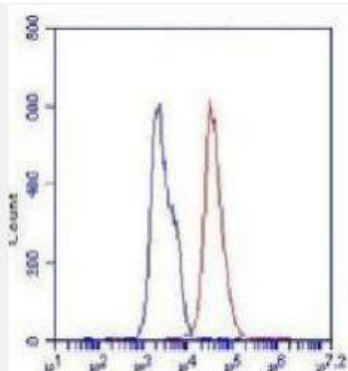
Products Images:



Western Blot analysis using Oct-3/4 Monoclonal Antibody against F9 cell lysate.



Immunofluorescence analysis of COS7 cells using Oct-3/4 Monoclonal Antibody.



Flow cytometric analysis of F9 cells stained with Oct-3/4 Monoclonal Antibody (red), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.