

## POU5F1 monoclonal antibody

Catalog: MB23380

Host: Mouse

Reactivity: Human

### 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.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

38.5kDa

### Swiss-Prot:

Q01860

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC:1/200 - 1/1000 FC:1/200 - 1/400

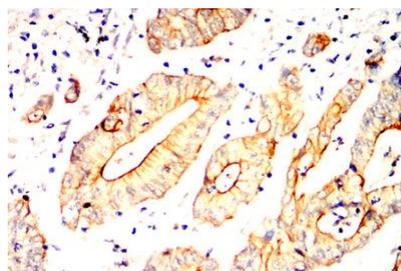
### Storage&Stability:

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

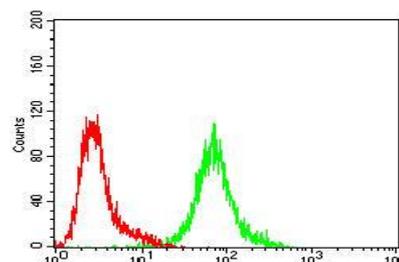
### Isotype:

Mouse IgG1

### DATA:



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using POU5F1 mouse mAb with DAB staining.



Flow cytometric analysis of HeLa cells using POU5F1 mouse mAb (green) and negative control (red).

### Note:

For research use only, not for use in diagnostic procedure.

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