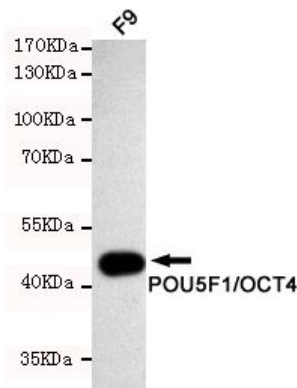


**POU5F1/OCT4****Mouse monoclonal Antibody**

#53174

Catalog Number: 53174**Amount:** 100µg/100µl**Swiss-Prot No. :** O01860**Gene name:** pou5f1**Gene id:** 18999**Clone Number:** 3F5-F9-E5**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant mouse POU5F1/OCT4 protein fragments expressed in E.coli.**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of POU5F1/OCT4 and does not cross-react with related proteins**Reactivity:** Mouse**Applications:** Predicted MW: 45 kd WB: 1:1000

Western blot detection of POU5F1/OCT4 in F9 cell lysates using POU5F1/OCT4 mouse mAb (1:1000 diluted). Predicted band size: 45KDa. Observed band size: 45KDa.

Background :

Transcription factor that binds to the octamer motif (5'-ATTTGCAT-3'). Forms a trimeric complex with SOX2 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency.