

## Product datasheet for TA347019M

### Pou5f1 Mouse Monoclonal Antibody [Clone ID: 3F5-F9-E5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3F5-F9-E5
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for Pou5f1 antibody: purified recombinant mouse POU5F1/OCT4 protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide, 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45 kDa
Gene Name:	POU domain, class 5, transcription factor 1
Database Link:	<a href="#">NP_038661</a> <a href="#">Entrez Gene 18999 Mouse P20263</a>
Background:	Transcription factor that binds to the octamer motif (5'-ATTGTCAT-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.
Synonyms:	MGC22487; Oct-3; Oct-4; OCT3; OCT4; OTF3; OTF4


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