

## Product datasheet for **TA347019S**

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

#### **Product data:**

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



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