

## Mouse Monoclonal Antibody to TCF4

<b>Catalogue Number</b>	sAP-1480
<b>Target Molecule</b>	<b>Name:</b> TCF4 <b>Aliases:</b> TSGA; JMJD1; JHDM2A; JHMD2A; JMJD1A <b>MW:</b> 147kDa <b>Entrez Gene ID:</b> 55818
<b>Description</b>	This gene encodes transcription factor 4, a basic helix-loop-helix transcription factor. The encoded protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. This gene is broadly expressed, and may play an important role in nervous system development. Defects in this gene are a cause of Pitt-Hopkins syndrome. In addition, an intronic CTG repeat normally numbering 10-37 repeat units can expand to >50 repeat units and cause Fuchs endothelial corneal dystrophy. Multiple alternatively spliced transcript variants that encode different proteins have been described. ;
<b>Immunogen</b>	Purified recombinant fragment of human TCF4 (AA: 518-667) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM7B1B3;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: ; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.J Psychiatr Res. 2015 Oct;69:95-101. ; 2.Haematologica. 2014 Dec;99(12):e257-9.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**