

## Mouse Monoclonal Antibody to FMR1

<b>Catalogue Number</b>	sAP-0268
<b>Target Molecule</b>	<b>Name: FMR1</b> <b>Aliases:</b> POF; FMRP; POF1; FRAXA <b>MW: 71kDa</b> <b>Entrez Gene ID: 2332</b>
<b>Description</b>	FMR1, also known as POF, FMRP, FRAXA. Entrez Protein: NP_002015. It is an RNA-binding protein that associates with polyribosomes and is a likely component of a messenger ribonuclear protein (mRNP) particle. The protein may be involved in mRNA trafficking from the nucleus to the cytoplasm. A trinucleotide repeat (CGG) in the 5' UTR is normally found at 6-53 copies, but an expansion to 55-230 repeats is the cause of fragile X syndrome. Expansion of the trinucleotide repeat may also cause one form of premature ovarian failure (POF1). RNA-binding protein that plays a role in intracellular RNA transport and in the regulation of translation of target mRNAs.
<b>Immunogen</b>	Purified recombinant fragment of human FMR1 expressed in E. Coli.
<b>Reactive Species</b>	Human
<b>Clone</b>	MM4G9;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, 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: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. BMC Mol Biol. 2008 Oct 15;9:89. ; 2. Fertil Steril. 2008 Oct 28.

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 end user! This product is sold for **Research Use Only**