

Mouse Monoclonal Antibody to FOXD3

Catalogue Number	sAP-0493
Target Molecule	Name: FOXD3 Aliases: AIS1; HFH2; Genesis; FOXD3 MW: 50kDa
Description	Entrez Gene ID: 27022 FoxD3 is a member of the Forkhead Box family and is characterized by a winged-helix DNA-binding structure and the important role it plays in embryonic development. This transcriptional regulator is required for the maintenance of pluripotency in the pre-implantation and peri-implantation stages of mouse embryonic development and is also required for trophoblast formation. FoxD3 is required for the maintenance of the mammalian neural crest; FoxD3(-/-) mouse embryos fail around the time of implantation with loss of neural crest-derived structures. FoxD3 also forms a regulatory network with Oct-4 and NANOG to maintain the pluripotency of ES cells. Promotes development of neural crest cells from neural tube progenitors. Restricts neural progenitor cells to the neural crest lineage while suppressing interneuron differentiation. Required for
Immunogen	Purified recombinant fragment of human FOXD3 expressed in E. Coli.
Recitative Species	Human; Mouse; Monkey
Clone	MM5G9;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Neuroimmune Pharmacol. 2009 Mar;4(1):103-15. ; 2. Nature. 2006 May 18;441(7091):315-21.

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**