

Mouse Monoclonal Antibody to PAX6

Catalogue Number	sAP-0419
Target Molecule	<p>Name: PAX6</p> <p>Aliases: AN; AN2; MGDA; WAGR; D11S812E; MGC17209; PAX6</p> <p>MW: 46kDa</p> <p>Entrez Gene ID: 5080</p>
Description	Transcription factor with important functions in the development of the eye, nose, central nervous system and pancreas. Required for the differentiation of pancreatic islet alpha cells .PAX6 is the most researched of the PAX genes and appears throughout the literature as a "master control" gene for the development of eyes and other sensory organs, certain neural and epidermal tissues as well as other homologous structures, usually derived from ectodermal tissues. This transcription factor is most famous for its use in the interspecifically induced expression of ectopic eyes and is of medical importance because heterozygous mutants produce a wide spectrum of ocular defects such as Aniridia in humans. This gene encodes paired box gene 6, one of many human homologues of the Drosophila melanogaster gene prd. In addition to the
Immunogen	Purified recombinant fragment of human PAX6 expressed in E. Coli. ;
Reactive Species	Human
Clone	MM1C8;
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 H ₂ O, 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; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Invest Ophthalmol Vis Sci. 2009 Jun;50(6):2581-90. ; 2.J Biol Chem. 2009 Oct 2;284(40):27524-32. ; 3.J Biol Chem. 2010 Jan 22;285(4):2527-36.

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**