产品名称：PAX6 Mouse Monoclonal Antibody
产品货号：AMM80859

产品概述（Summary）

产品名称（Production Name）	PAX6 Mouse Monoclonal Antibody
描述（Description）	Mouse monoclonal Antibody
宿主（Host）	Mouse
应用（Application）	ELISA,FC
种属反应性（Reactivity）	Human

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	Mouse IgG1
克隆（Clonality）	Monoclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Purified antibody in PBS with 0.05% sodium azide.
纯化方式（Purification）	Affinity Purification

免疫原信息（Immunogen）

基因名（Gene Name）	PAX6
别名（Alternative Names）	AN; AN2; MGDA; WAGR; D11S812E; MGC17209; PAX6
基因 ID（Gene ID）	5080.0
蛋白 ID（SwissProt ID）	P26367.Purified recombinant fragment of human PAX6 expressed in E. Coli.

产品应用（Application）

稀释比（Dilution Ratio）	ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量（Molecular Weight）	46kDa

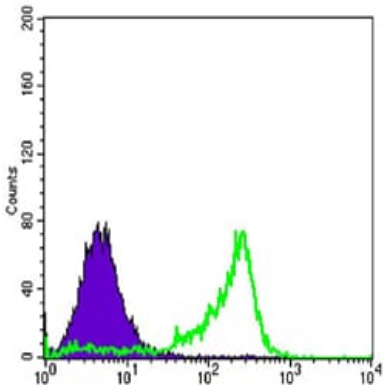
研究背景（Background）

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 hallmark feature of this gene family, a conserved paired box domain, the encoded protein also contains a homeo box domain. Both domains are known to bind DNA, and function as regulators of gene transcription. This gene is expressed in the developing nervous system, and in developing eyes. Mutations in this gene are known to cause aniridia as well as Peter's anomaly, both ocular diseases.

研究领域（Research Area）

图片（Image Data）



Flow cytometric analysis of 3T3-L1 cells using PAX6 mouse mAb (green) and negative control (purple).

注意事项（Note）

For research use only .