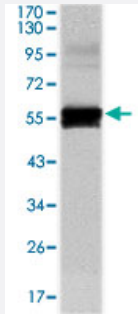


PAX6 monoclonal antibody, clone 1C8

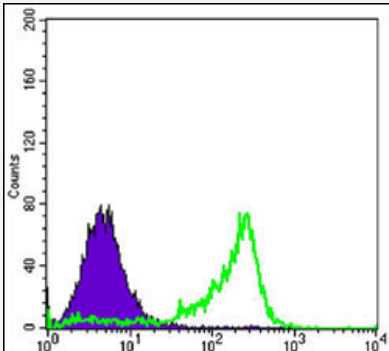
Catalog # MAB10293 Size 100 uL

Applications



Western Blot (Recombinant protein)

Western blot analysis using PAX6 monoclonal antibody, clone 1C8 (Cat # MAB10293) against recombinant human PAX6 protein.



Flow Cytometry

Flow cytometric analysis of 3T3-L1 cells using PAX6 monoclonal antibody, clone 1C8 (Cat # MAB10293) (green) and negative control (purple).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant PAX6.
Immunogen	Recombinant protein corresponding to human PAX6.
Host	Mouse
Theoretical MW (kDa)	46
Reactivity	Human
Form	Liquid

Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Recombinant protein)

Western blot analysis using PAX6 monoclonal antibody, clone 1C8 (Cat # MAB10293) against recombinant human PAX6 protein.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of 3T3-L1 cells using PAX6 monoclonal antibody, clone 1C8 (Cat # MAB10293) (green) and negative control (purple).

Gene Info — PAX6

Entrez GeneID	5080
Gene Name	PAX6
Gene Alias	AN, AN2, D11S812E, MGC17209, MGDA, WAGR
Gene Description	paired box 6
Omim ID	106210 120200 120430 129750 136520 148190 165550 603807 607108
Gene Ontology	Hyperlink

Gene Summary

This gene encodes paired box gene 6, one of many human homologs 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 ocular disorders such as aniridia and Peter's anomaly. Alternatively spliced transcript variants encoding either the same or different isoform have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000038833|OTTHUMP00000038834|OTTHUMP00000038835|OTTHUMP00000038836|OTTHUMP00000038837|OTTHUMP00000038838|OTTHUMP00000038839|OTTHUMP00000038840|paired box gene 6|paired box homeotic gene-6

Pathway

- [Maturity onset diabetes of the young](#)

Disease

- [Abnormalities](#)
- [Alcoholism](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Autistic Disorder](#)
- [Blepharoptosis](#)
- [Calcinosis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Myopia](#)
- [Photophobia](#)
- [Retinal Diseases](#)

- [Tobacco Use Disorder](#)
- [Vision Disorders](#)