

## Pax-6 Monoclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0992
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	50ul, 100ul
<b>Immunogen</b>	Purified recombinant fragment of human Pax-6 expressed in E. Coli.
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB, FCM, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Paired box protein Pax-6
<b>Synonyms</b>	PAX6; AN2; Paired box protein Pax-6; Aniridia type II protein; Oculorhombin

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

This gene encodes a homeobox and paired domain-containing protein that binds DNA and functions as a regulator of transcription. Activity of this protein is key in the development of neural tissues, particularly the eye. This gene is regulated by multiple enhancers located up to hundreds of kilobases distant from this locus. Mutations in this gene or in the enhancer regions can cause ocular disorders such as aniridia and Peter's anomaly. Use of alternate promoters and alternative splicing result in multiple transcript variants encoding different isoforms.

### Recommended Dilution

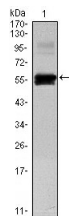
ELISA: 1:10000

FC: 1:200 - 1:400

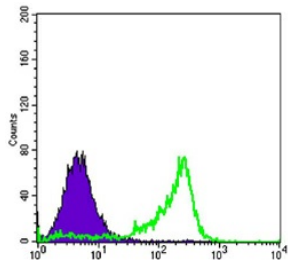
WB: 1:500 - 1:2000

Not yet tested in other applications.

### Images



Western Blot analysis using Pax-6 Monoclonal antibody against recombinant Pax-6 protein (1).



Flow cytometric analysis of 3T3-L1 cells using Pax-6 Monoclonal antibody (green) and negative control (purple).

### Storage

-20°C for one year

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