

Mouse Paired Box Gene 6 (PAX6) ELISA Kit | PAX6 elisa kit

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CATALOG # AAA68643	REACTIVITY Mouse
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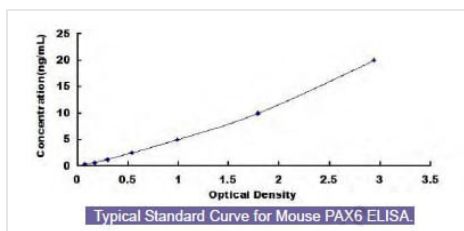
PRODUCT SYNONYMS

Paired Box Gene 6 (PAX6); Mouse Paired Box Gene 6 (PAX6) ELISA Kit; AN; AN2; MGDA; WAGR; Oculorhombin; Aniridia; Keratitis; Aniridia type II protein; PAX6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PAX6. No significant cross-reactivity or interference between PAX6 and analogues was observed.
Sequence Length	436
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.124ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PAX6 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PAX6 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAX6 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PAX6 in mouse tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PAX6. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PAX6. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PAX6, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PAX6 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	346644677
NCBI GeneID	18508
NCBI Accession #	NP_001231127.1
NCBI GenBank Nucleotide #	NM_001244198.2
UniProt Accession #	P63015; P32117; P70601; Q3UTV5; Q62222; Q64037; Q8CEI5; Q8VDB5; Q921Q8
Molecular Weight	31,769 Da
NCBI Official Full Name	paired box protein Pax-6 isoform 1
NCBI Official Synonym Full Names	paired box 6
NCBI Official Symbol	Pax6
NCBI Official Synonym Symbols	Dey; Sey; AEY11; Pax-6; Gsfaey11; 1500038E17Rik
NCBI Protein Information	paired box protein Pax-6
UniProt Protein Name	Paired box protein Pax-6
UniProt Gene Name	Pax6
UniProt Synonym Gene Names	Pax-6; Sey

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.