

Datasheet for ABIN5674917
PAX6 ELISA Kit



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Overview

Quantity: 96 tests

Target: PAX6

Reactivity: Mouse

Method Type: Sandwich ELISA

Detection Range: 0.312 ng/mL - 20 ng/mL

Minimum Detection Limit: 0.312 ng/mL

Application: ELISA

Product Details

Sample Type: Tissue Homogenate

Analytical Method: Quantitative

Detection Method: Colorimetric

Sensitivity: 0124 ng/mL

Components: Pre-coated, ready to use 96-well strip plate
Standard (freeze dried)
Standard Diluent
Detection Reagent A
Detection Reagent B
Assay Diluent A
Assay Diluent B
TMB Substhumane

Product Details

Stop Solution
Wash Buffer(30 x concenthumane)
Plate sealer for 96 wells
Instruction manual

Material not included:

1. Microplate reader with 450 ± 10 nm filter.
2. Precision single or multi-channel pipettes and disposable tips.
3. Eppendorf Tubes for diluting samples.
4. Deionized or distilled water.
5. Absorbent paper for blotting the microtiter plate.
6. Container for Wash Solution.

Target Details

Target: PAX6

Alternative Name: Paired Box Gene 6 (PAX6) ([PAX6 Products](#))

Background: Alternative name: AN, AN2, MGDA, WAGR, Oculorhombin, Aniridia,Keratitis, Aniridia type II protein

Gene ID: 18508

UniProt: [P63015](#)

Pathways: [Peptide Hormone Metabolism](#), [Carbohydrate Homeostasis](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Assay Time: 1 - 4.5 h

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards
2. Add 100 μ L standard or sample to each well. Incubate 2 hours at 37°C
3. Aspirate and add 100 μ L prepared Detection Reagent A. Incubate 1 hour at 37°C
4. Aspirate and wash 3 times
5. Add 100 μ L prepared Detection Reagent B. Incubate 1 hour at 37°C
6. Aspirate and wash 5 times
7. Add 90 μ L Substrate Solution. Incubate 15-25 minutes at 37°C
8. Add 50 μ L Stop Solution. Read at 450nm immediately.

Application Details

Restrictions: For Research Use only

Handling

Storage: 4 °C

Expiry Date: 12 months