

Mouse Platelet Derived Growth Factor Subunit A (PDGFA) ELISA Kit

Catlog Number: PAK-HMM-0045

• Description

Platelet-derived growth factor A (PDGFA) is a protein that is encoded by the PDGFA gene. It is a member of the platelet-derived growth factor family. Four members of this family are mitogenic factors of mesenchymal cells and are characterized by an eight cysteine structure. The gene product can exist as a homodimer or as a heterodimer with the platelet-derived growth factor beta polypeptide, where the dimers are linked by disulfide bonds.

• Basic Information

Test Species: Mouse

Synonyms: PDGF-A; PDGF1; Platelet Derived Growth Factor Alpha Polypeptide

Sample Type: Serum, plasma, tissue homogenates, cell lysates, cell culture supernatants and other biological fluids.

Detection Methods: Sandwich ELISA

Sensitivity: 0.06 ng/mL

Detection Range: 0.15-10 ng/mL

Accuracy: The intraplate coefficient of variation is less than 10% and the interplate coefficient of variation is less than 10%.

• Detection Principle

The kit is based on double antibody sandwich enzyme-linked immunosorbent assay (ELISA). To the microtiter wells pre-coated with mouse platelet-derived growth factor A (PDGFA) capture antibody, the sample, standard, biotin-labeled detection antibody and HRP enzyme conjugate are added sequentially, and then incubated and washed, and then the color is developed with the substrate TMB, which is catalyzed by HRP to turn into blue color, and then converted to yellow color by acid. The color is positively correlated with the amount of mouse platelet-derived growth factor A (PDGFA) in the sample. The absorbance (OD) is measured at 450nm by an enzyme marker and the concentration of the sample is calculated.

• Applications

This kit detects PDGFA in mice in samples without significant cross-reactivity with its analogs.



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• Specification

48T, 96T, 5×96T

• Storage & Transportation

2-8°C

Shelf Life: 6 months



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