

# PDK4 Monoclonal Matched Antibody Pair, PBS Only

Catalog Number: **MP50796-1**

## Capture Antibody Information

**Catalog Number:**  
60565-1-PBS  
**Host:**  
Mouse  
**Isotype:**  
IgG1  
**Purification Method:**  
Protein G purification

**Clone ID:**  
2E8F5  
**Reactivity:**  
human  
**Immunogen Catalog Number:**  
Ag30259

**Conjugate:**  
Unconjugated  
**Full name:**  
pyruvate dehydrogenase kinase, isozyme 4  
**Gene ID:**  
5166

## Detection Antibody Information

**Catalog Number:**  
60565-2-PBS  
**Host:**  
Mouse  
**Isotype:**  
IgG1  
**Purification Method:**  
Protein G purification

**Clone ID:**  
2E7E4  
**Reactivity:**  
human  
**GenBank:**  
BC040239  
**Immunogen Catalog Number:**  
Ag30259

**Conjugate:**  
Unconjugated  
**Full name:**  
pyruvate dehydrogenase kinase, isozyme 4  
**Gene ID:**  
5166

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA

**Range:**  
3.125-100 ng/mL (Cytometric Bead Array)  
1.56-100 ng/mL (Sandwich ELISA)

**Recommended Dilutions:**  
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP50796-1 targets PDK4 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: PDK4 Monoclonal antibody, PBS Only (Capture) 60565-1-PBS (2E8F5). 100 µg. Concentration 1 mg/mL.

Detection antibody: PDK4 Monoclonal antibody, PBS Only (Detector) 60565-2-PBS (2E7E4). 100 µg. Concentration 1 mg/mL.

Unconjugated mouse monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

## Storage

**Storage:**  
Store at -80°C.  
**Storage buffer:**  
PBS only

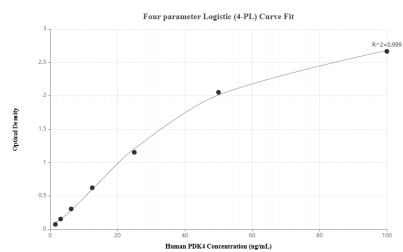
For technical support and original validation data for this product please contact:

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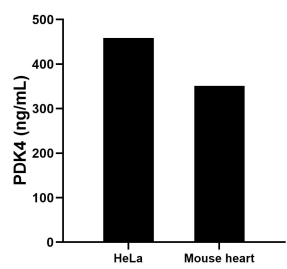
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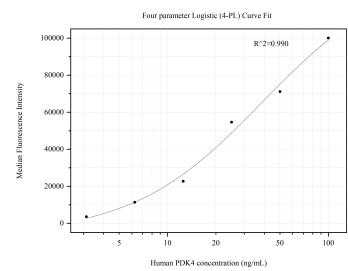
## Selected Validation Data



Sandwich ELISA standard curve of MP50796-1, Human PDK4 Monoclonal Matched Antibody Pair - PBS only. 60565-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag30259. 60565-2-PBS was HRP conjugated as the detection antibody. Range: 1.56-100 ng/mL



The mean PDK4 concentration was determined to be 458.51 ng/mL in HeLa cell extract based on a 1.8 mg/mL extract load and 351.01 ng/mL in mouse heart tissue extract based on a 7.1 mg/mL extract load.



Cytometric bead array standard curve of MP50796-1, PDK4 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60565-1-PBS. Detection antibody: 60565-2-PBS. Standard: Ag30259. Range: 3.125-100 ng/mL