

# FOXO1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP00024-3

## Capture Antibody Information

Catalog Number:  
82997-2-PBS  
Host:  
Rabbit  
Isotype:  
IgG  
Purification Method:  
Protein A purification

Clone ID:  
230183G9  
Reactivity:  
human  
GenBank:  
BC021981  
Immunogen Catalog Number:  
Ag13296

Conjugate:  
Unconjugated  
Full name:  
forkhead box O1  
Gene ID:  
2308

## Detection Antibody Information

Catalog Number:  
82997-5-PBS  
Host:  
Rabbit  
Isotype:  
IgG  
Purification Method:  
Protein A purification

Clone ID:  
230183E3  
Reactivity:  
human  
GenBank:  
BC021981  
Immunogen Catalog Number:  
Ag13296

Conjugate:  
Unconjugated  
Full name:  
forkhead box O1  
Gene ID:  
2308

## Applications

Tested Applications:  
Sandwich ELISA

Range:  
31.25-2000 pg/mL (Sandwich ELISA)

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

## Product Information

MP00024-3 targets FOXO1 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: FOXO1 Recombinant antibody, PBS Only (Capture) 82997-2-PBS (230183G9). 100 µg. Concentration 1 mg/ml.

Detection antibody: FOXO1 Recombinant antibody, PBS Only (Detector) 82997-5-PBS (230183E3). 100 µg. Concentration 1 mg/ml.

Alternative FOXO1 matched antibody pairs: MP00024-1, MP00024-2

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

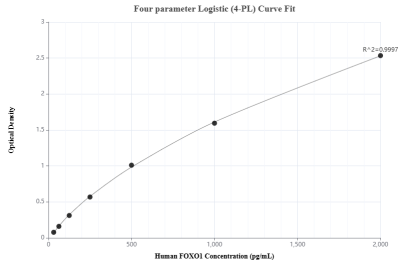
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

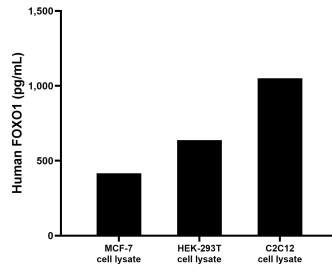
## Storage

Storage:  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
Storage buffer:  
PBS only

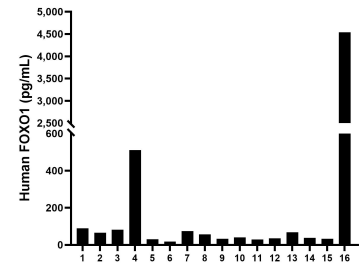
## Selected Validation Data



Sandwich ELISA standard curve of MP00024-3, Human FOXO1 Recombinant Matched Antibody Pair - PBS only. 82997-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag34671. 82997-5-PBS was HRP conjugated as the detection antibody. Range: 31.25-2000 pg/mL



MCF-7, HEK-293T and C2C12 cell lysates were measured. The human FOXO1 concentration of detected samples was determined to be 416.1 pg/mL (based on a 1.2 mg/mL extract load) in MCF-7 cell lysate, 637.3 pg/mL (based on a 1.4 mg/mL extract load) in HEK-293T cell lysate and 1,050.2 pg/mL (based on a 3.2 mg/mL extract load) in C2C12 cell lysate.



Serum of sixteen individual healthy human donors was measured. The human FOXO1 concentration of detected samples was determined to be 359.1 pg/mL with a range of 18.5 - 4,538.3 pg/mL