

For Research Use Only

# FOXO1 Recombinant antibody, PBS Only (Capture)

Catalog Number:82997-2-PBS



## Basic Information

<b>Catalog Number:</b> 82997-2-PBS	<b>GenBank Accession Number:</b> BC021981	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2308	<b>CloneNo.:</b> 230183G9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q12778	
<b>Isotype:</b> IgG	<b>Full Name:</b> forkhead box O1	
<b>Immunogen Catalog Number:</b> AG13296	<b>Calculated MW:</b> 655 aa, 70 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

82997-2-PBS targets FOXO1 as part of a matched antibody pair:

MP00024-2: 82997-2-PBS capture and 82997-3-PBS detection (validated in Cytometric bead array)

MP00024-3: 82997-2-PBS capture and 82997-5-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) 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.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
100% PBS pH 7.3

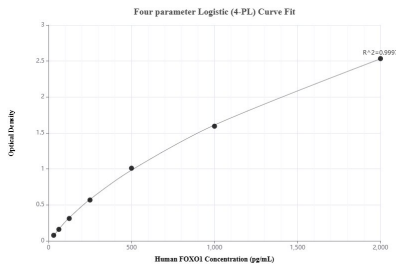
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

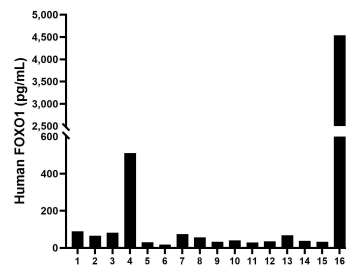
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

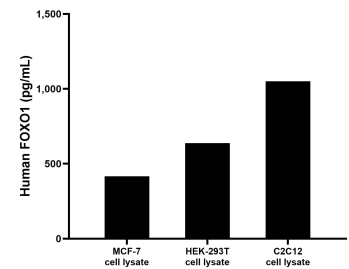
## Selected Validation Data



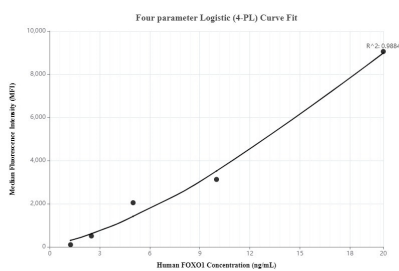
Sandwich ELISA standard curve of MP00024-3, Human FOXO1 Recombinant Matched Antibody Pair - PBS only. 82997-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag34671. 82997-5-PBS was HRP conjugated as the detection antibody. Range: 31.25-2000 pg/mL



Serum of six 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



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.



Cytometric bead array standard curve of MP00024-2, FOXO1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82997-2-PBS. Detection antibody: 82997-3-PBS. Standard: Ag13296. Range: 1.25-20 ng/mL