

For Research Use Only

# FOXO1 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 82997-2-PBS



## Basic Information

Catalog Number:

82997-2-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13296

GenBank Accession Number:

BC021981

GeneID (NCBI):

2308

UNIPROT ID:

Q12778

Full Name:

forkhead box O1

Calculated MW:

655 aa, 70 kDa

Purification Method:

Protein A purification

CloneNo.:

230183G9

## Applications

Tested Applications:

Sandwich ELISA, Indirect ELISA

Species Specificity:

human

## Background Information

### 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, pH7.3

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

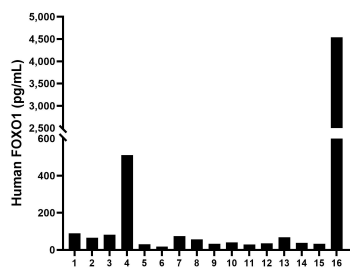
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

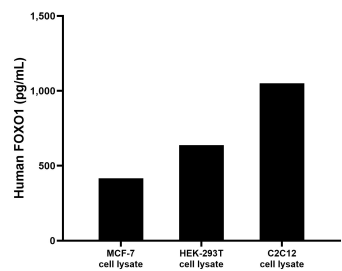
W: [ptgcn.com](http://ptgcn.com)

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

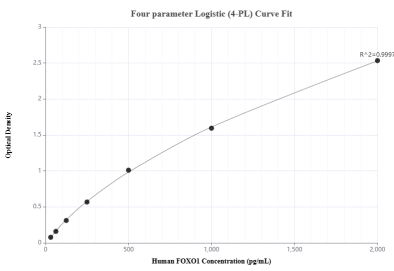
## Selected Validation Data



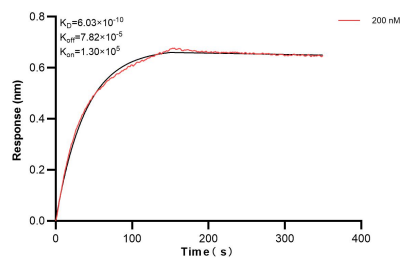
Serum of sixteen individual healthy human donors was measured. The human FOXO1 concentration of detected samples was determined to be 359.1 pg/mL with a range of 18.5 - 4,538.3 pg/mL.



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.



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



Bioluminescence resonance transfer (BLI) kinetic assay of 82997-2-PBS against Human FOXO1 was performed. The affinity constant is 0.603 nM.