For Research Use Only

FTO Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number:81471-4-PBS

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
81471-4-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG26095

GenBank Accession Number:
NM_001080432

GeneID (NCBI):
79068

UNIPROT ID:
Q9C0B1

Full Name:
fat mass and obesity associated

Calculated MW:
58 kDa

Purification Method:
Protein A purification

CloneNo.:
261318E8

Applications

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

Species Specificity:
human

Product Information

81471-4-PBS targets FTO as part of a matched antibody pair:

MP03655-1: 81471-3-PBS capture and 81471-4-PBS detection (validated in Cytometric bead array, 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.

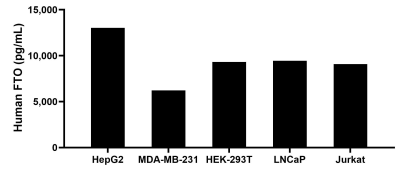
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

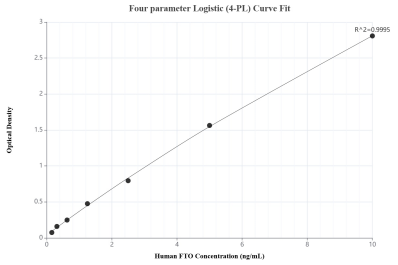
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

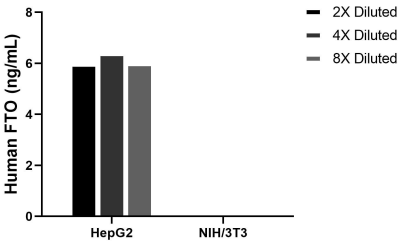
Selected Validation Data



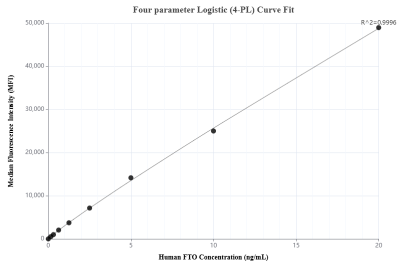
The mean FTO concentration was determined to be 13,033.49 pg/mL in HepG2 cell extract based on a 1.20 mg/mL extract load, 6,218.74 pg/mL in MDA-MB-231 cell extract based on a 1.20 mg/mL extract load, 9,314.64 pg/mL in HEK-293T cell extract based on a 1.20 mg/mL extract load, 9,433.33 pg/mL in LNCaP cell extract based on a 1.20 mg/mL extract load and 9,083.14 pg/mL in Jurkat cell extract based on a 1.20 mg/mL extract load.



Sandwich ELISA standard curve of MP03655-1, Human FTO Recombinant Matched Antibody Pair - PBS only. 81471-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag26095. 81471-4-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL.



The mean FTO concentration was determined to be 6.1 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load, NIH/3T3 cell extract were served as a negative control.



Cytometric bead array standard curve of MP03655-1, FTO Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 81471-3-PBS. Detection antibody: 81471-4-PBS. Standard: Ag26095. Range: 0.156-20 ng/mL.