For Research Use Only

FTO Recombinant Matched Antibody Pair, PBS Only

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

Catalog Number:MP03655-1

Capture Antibody Information

Catalog Number:
81471-3-PBS

Clone ID:
261318F6

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
human

Full name:
fat mass and obesity associated

Isotype:
IgG

GenBank:
NM_001080432

Gene ID:
79068

Purification Method:
Protein A purification

Immunogen Catalog Number:
Ag26095

Detection Antibody Information

Catalog Number:
81471-4-PBS

Clone ID:
261318E8

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
human

Full name:
fat mass and obesity associated

Isotype:
IgG

GenBank:
NM_001080432

Gene ID:
79068

Purification Method:
Protein A purification

Immunogen Catalog Number:
Ag26095

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.156-20 ng/mL (Cytometric Bead Array)
0.156-10 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

MP03655-1 targets FTO in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: FTO Recombinant monoclonal antibody, PBS Only (Capture) 81471-3-PBS (261318F6). 100 μg. Concentration 1 mg/ml.

Detection antibody: FTO Recombinant monoclonal antibody, PBS Only (Detector) 81471-4-PBS (261318E8). 100 μg. Concentration 1 mg/ml.

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.

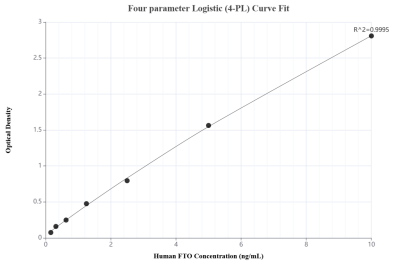
Storage

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

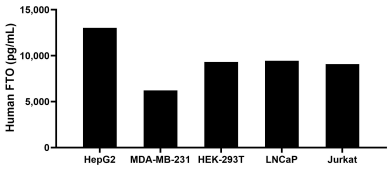
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

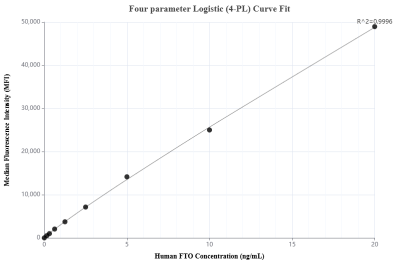
Selected Validation Data



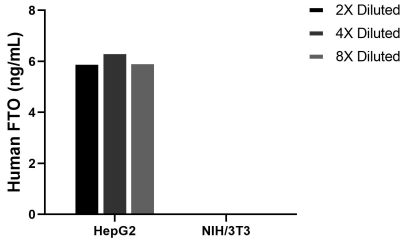
Sandwich ELISA standard curve of MP03655-1, Human FTO Recombinant Matched Antibody Pair - PBS only. 81471-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag26095. 81471-4-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



The mean FTO concentration was determined to be 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.



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.



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.