For Research Use Only

IGFBP2 Recombinant antibody, PBS Only (Capture)

Catalog Number:83283-3-PBS

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Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
83283-3-PBS

Size:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000597.3

GeneID (NCBI):
3485

UNIPROT ID:
P18065

Full Name:
IGF binding protein 2

Calculated MW:
35 kDa

Purification Method:
Protein A purification

CloneNo.:
240227D4

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA, Sample test

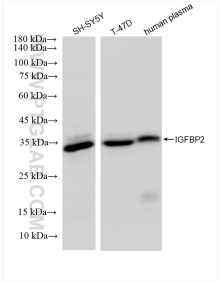
Species Specificity:
human

Background Information

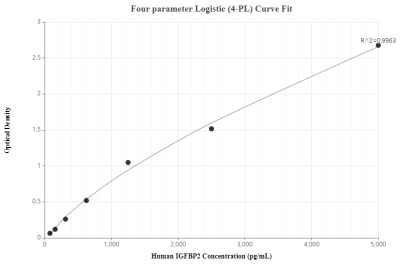
Storage

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

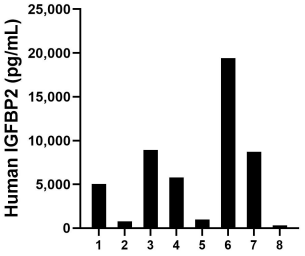
Selected Validation Data



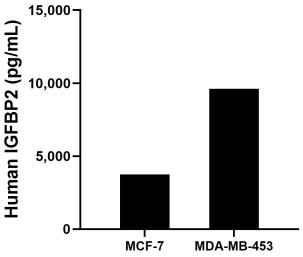
Various lysates were subjected to SDS PAGE followed by western blot with 83283-3-RR (IGFBP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83283-3-PBS in a different storage buffer formulation.



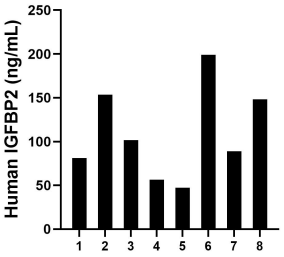
Sandwich ELISA standard curve of MP00322-2, human IGFBP2 Recombinant Matched Antibody Pair - PBS only. 83283-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0823. 83283-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



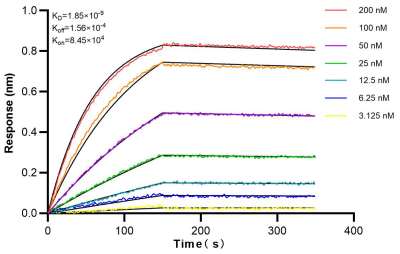
Urine of eight individual healthy human donors was measured. The IGFBP2 concentration of detected samples was determined to be 6251.0 pg/mL with a range of 306.2 - 19423.8 pg/mL.



MCF-7 human breast cancer cells (5 x 10^6 cells/mL) were cultured in DMEM and 10% fetal bovine serum, 4 mM L-glutamine, 4500 mg/L glucose, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernatants was removed, assayed for human IGFBP2, and measured 3750.9 pg/mL. MDA-MB-453 human breast carcinoma cells (5 x 10^6 cells/mL) were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100



Serum of eight individual healthy human donors was measured. The IGFBP2 concentration of detected samples was determined to be 109.5 ng/mL with a range of 47.4 - 199.1 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83283-3-RR against Human IGFBP2 were performed. The affinity constant is 1.85 nM.