

For Research Use Only

IGFBP2 Recombinant Matched Antibody Pair, PBS Only

Catalog Number:**MP00322-2**



Capture Antibody Information

Catalog Number:	83283-3-PBS	Clone ID:	240227D4	Conjugate:
Host:	Rabbit	Reactivity:	human	Unconjugated
Isotype:	IgG			Full name:
Purification Method:	Protein A purification			IGF binding protein 2
				Gene ID:
				3485

Detection Antibody Information

Catalog Number:	83283-2-PBS	Clone ID:	240227G3	Conjugate:
Host:	Rabbit	Reactivity:	human	Unconjugated
Isotype:	IgG	GenBank:	NM_000597.3	Full name:
Purification Method:	Protein A purification			IGF binding protein 2
				Gene ID:
				3485

Applications

Tested Applications:	Sandwich ELISA	Range:	78.1-5000 pg/mL (Sandwich ELISA)	Recommended Dilutions:
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.				

Product Information

MP00322-2 targets IGFBP2 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.
Capture antibody: IGFBP2 Recombinant antibody, PBS Only (Capture) 83283-3-PBS (240227D4). 100 µg. Concentration 1 mg/ml.
Detection antibody: IGFBP2 Recombinant antibody, PBS Only (Capture/Detector) 83283-2-PBS (240227G3). 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.

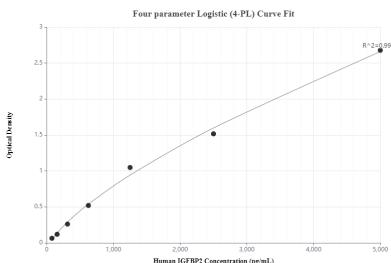
Storage

Storage:
Store at -80°C.
Storage buffer:
PBS only

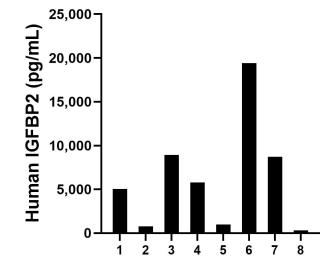
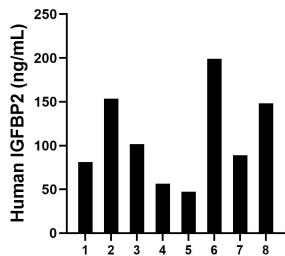
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data

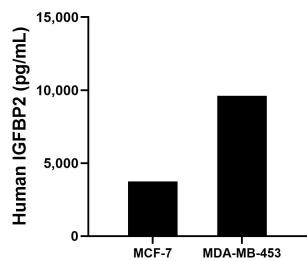


Sandwich ELISA standard curve of MP00322-2, human IGFBP2 Recombinant Matched Antibody Pair - PBS only. 83283-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0823. 83283-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



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

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 (5×10^6 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 (5×10^6 cells/mL) were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100

