

For Research Use Only

Fibronectin Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 80911-9-PBS



Basic Information

Catalog Number: 80911-9-PBS	GenBank Accession Number: NM_212482.4	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2335	CloneNo.: 251989D10
Source: Rabbit	UNIPROT ID: P02751-15	
Isotype: IgG	Full Name: fibronectin 1	
Immunogen Catalog Number: EG5117	Calculated MW: 272 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

80911-9-PBS targets Fibronectin as part of a matched antibody pair:

MP02923-1: 80911-10-PBS capture and 80911-9-PBS detection (validated in 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.

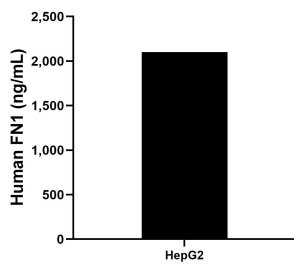
Storage

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

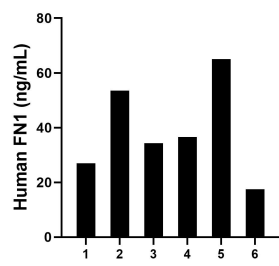
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

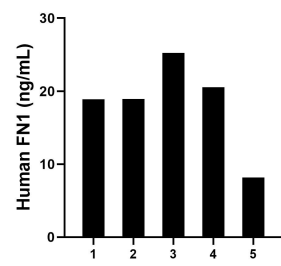
Selected Validation Data



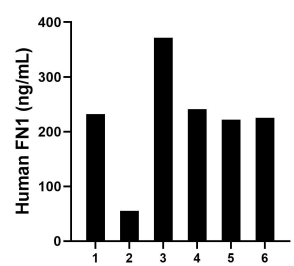
HepG2 (human hepatocellular carcinoma cells) were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human FN1, and measured 2,102.36 ng/mL.



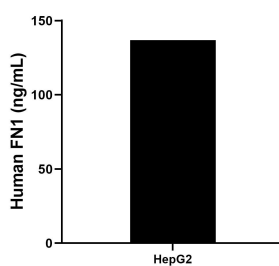
Saliva of six individual healthy human donors was measured. The human FN1 concentration of detected samples was determined to be 38.99 ng/mL with a range of 17.55 - 64.99 ng/mL.



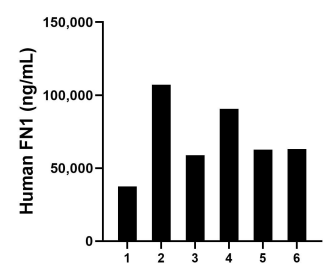
Urine of five individual healthy human donors was measured. The human FN1 concentration of detected samples was determined to be 18.35 ng/mL with a range of 8.2 - 25.2 ng/mL.



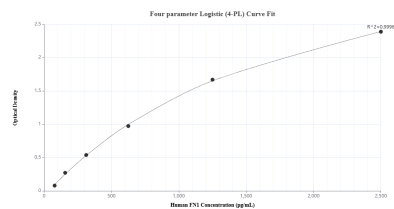
Human milk of six individual healthy human donors was measured. The human FN1 concentration of detected samples was determined to be 224.52 ng/mL with a range of 55.37 - 371.75 ng/mL.



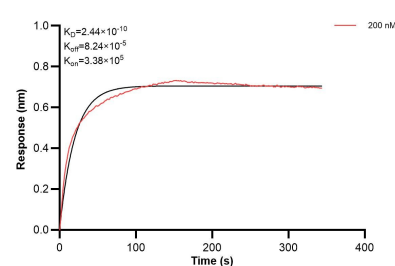
The mean FN1 concentration was determined to be 136.80 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load.



Plasma of six individual healthy human donors was measured. The human FN1 concentration of detected samples was determined to be 70,005.24 ng/mL with a range of 37,468.04 - 107,177.08 ng/mL.



Sandwich ELISA standard curve of MP02923-1, Human FN1 Recombinant Matched Antibody Pair - PBS only. 80911-10-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg5117. 80911-9-PBS was HRP conjugated as the detection antibody. Range: 78.1-2500 pg/mL.



Biolayer interferometry (BLI) kinetic assay of 80911-9-PBS against Human Fibronectin was performed. The affinity constant is 0.244 nM.