

For Research Use Only

Fibrillin 1 Recombinant antibody, PBS Only (Capture)

Catalog Number:83836-2-PBS



Basic Information

Catalog Number: 83836-2-PBS	GenBank Accession Number: BC146854	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2200	CloneNo.: 240960E11
Source: Rabbit	UNIPROT ID: P35555	
Isotype: IgG	Full Name: fibrillin 1	
Immunogen Catalog Number: AG30283		

Applications

Tested Applications:
IF/ICC, Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

83836-2-PBS targets Fibrillin 1 as part of a matched antibody pair:

MP00807-1: 83836-2-PBS capture and 83836-1-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.

Background Information

Fibrillin-1 belongs to the fibrillin family. Fibrillins are structural components of 10-12 nm extracellular calcium-binding microfibrils, which occur either in association with elastin or in elastin-free bundles. Fibrillin-1-containing microfibrils provide long-term force bearing structural support. Defects in Fibrillin-1 are a cause of Marfan syndrome (MFS), isolated ectopia lentis (EL), Weill-Marchesani syndrome autosomal dominant (ADWMS), Shprintzen-Goldberg craniosynostosis syndrome (SGS) or MASS syndrome.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

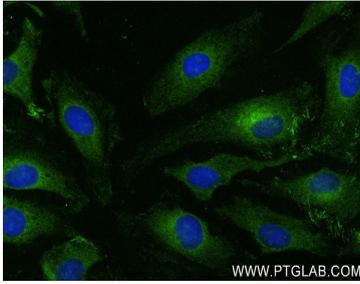
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

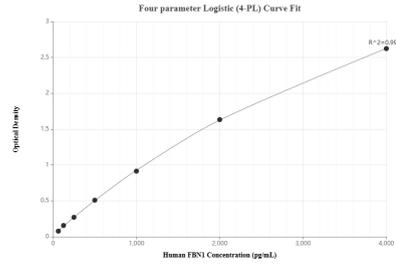
E: proteintech@ptglab.com
W: ptglab.com

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

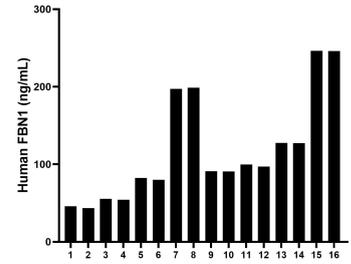
Selected Validation Data



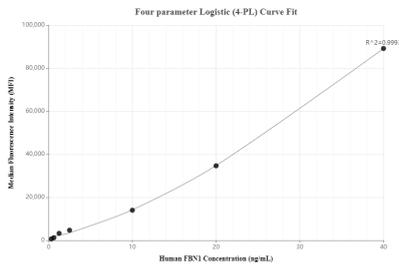
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Fibrillin 1 antibody (83836-2-RR, Clone: 240960E11) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83836-2-PBS in a different storage buffer formulation.



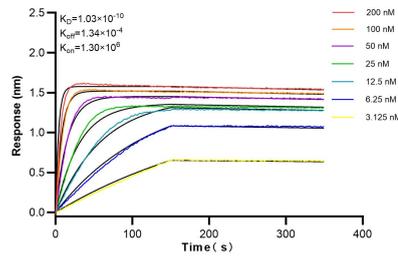
Sandwich ELISA standard curve of MP00807-1, Human Fibrillin 1/FBN1 Recombinant Matched Antibody Pair - PBS only. 83836-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag30283. 83836-1-PBS was HRP conjugated as the detection antibody. Range: 62.5-4000 pg/mL



Serum of sixteen individual healthy human donors was measured. The human Fibrillin 1/FBN1 concentration of detected samples was determined to be 117.73 ng/mL with a range of 43.48 - 246.44 ng/mL.



Cytometric bead array standard curve of MP00807-1, Fibrillin 1/FBN1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83836-2-PBS. Detection antibody: 83836-1-PBS. Standard: Ag30283. Range: 0.313-40 ng/mL



Biolayer interferometry (BLI) kinetic assays of 83836-2-RR against Human Fibrillin 1 were performed. The affinity constant is 0.103 nM.