

For Research Use Only

LTBP1 Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 85820-1-PBS



Basic Information

Catalog Number: 85820-1-PBS	GenBank Accession Number: BC130289	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 4052	CloneNo.: 250127A9
Source: Rabbit	UNIPROT ID: Q14766	
Isotype: IgG	Full Name: latent transforming growth factor beta binding protein 1	
Immunogen Catalog Number: AG25392	Calculated MW: 1721 aa, 187 kDa	
	Observed MW: 150 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Latent Transforming Growth Factor Beta Binding Protein 1 (LTBP1) is a large extracellular matrix protein that belongs to the latent TGF-beta binding protein family. It plays a crucial role in the regulation of TGF-beta, a multifunctional cytokine involved in various cellular processes such as cell growth, differentiation, and immune response. LTBP1 is essential for TGF-beta folding, secretion, matrix localization, and activation. It forms latent complexes with TGF-beta by covalently binding the TGF-beta propeptide (LAP) via disulfide bonds in the endoplasmic reticulum. This complex is then secreted and targeted to the extracellular matrix, where TGF-beta can be activated by various mechanism

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, pH7.3

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

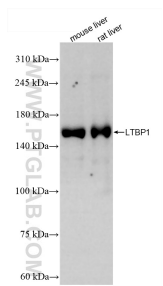
T: 4006900926

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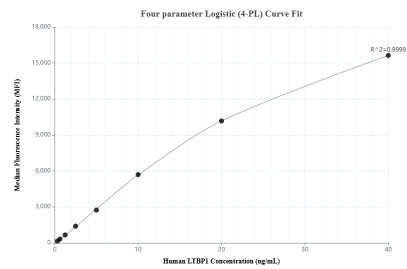
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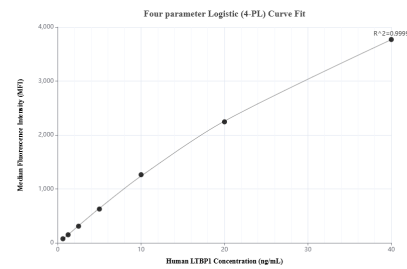
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85820-1-RR (LTBP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85820-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP02129-1, LTBP1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85820-1-PBS. Detection antibody: 85820-3-PBS. Standard: Ag25392. Range: 0.313-40 ng/mL.



Cytometric bead array standard curve of MP02129-2, LTBP1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85820-2-PBS. Detection antibody: 85820-1-PBS. Standard: Ag25392. Range: 0.625-40 ng/mL.