

For Research Use Only

LRRC32 Recombinant antibody, PBS Only (Capture)

Catalog Number: 86059-2-PBS



Basic Information

Catalog Number: 86059-2-PBS	GenBank Accession Number: BC070079	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 2615	CloneNo.: 250611B1
Source: Rabbit	UNIPROT ID: Q14392	
Isotype: IgG	Full Name: leucine rich repeat containing 32	
Immunogen Catalog Number: AG23423	Calculated MW: 72 kDa	
	Observed MW: 72-80 kDa	

Applications

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

Species Specificity:
human

Background Information

LRRC32, also known as GARP, is a transmembrane protein of 662 amino acids, the extracellular portion of which contains 20 leucine-rich repeats (PMID: 8180135). LRRC32 is a cell surface receptor on regulatory T-lymphocytes (Treg cells), platelets, hepatic stellate cells and certain cancer cells (PMID: 27054568). It has been demonstrated as a Treg-specific activation marker (PMID: 20137067). LRRC32 is critical for the surface expression of latent TGF- β by binding to the complex and functioning as its cell surface receptor (PMID: 19651619).

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:

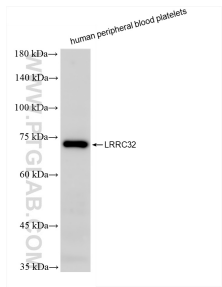
T: 4006900926

E: Proteintech-CN@ptglab.com

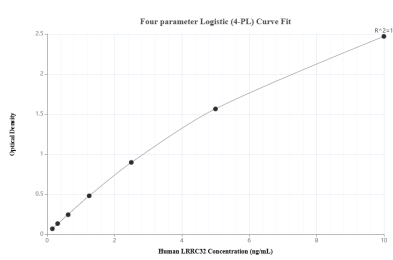
W: ptgcn.com

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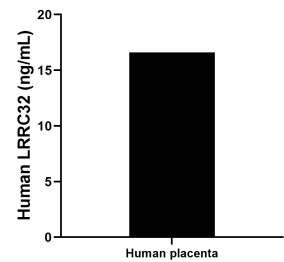
Selected Validation Data



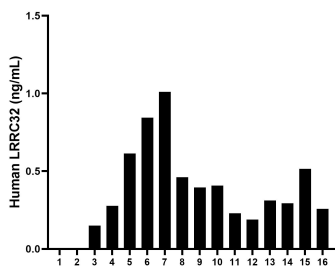
human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 86059-2-RR (LRRC32 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86059-2-PBS in a different storage buffer formulation.



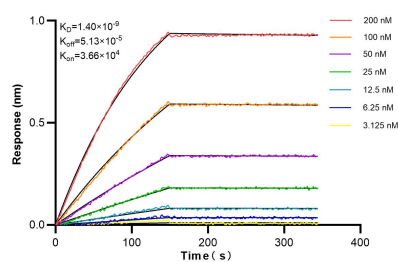
Sandwich ELISA standard curve of MP02335-1, Human LRRC32 Recombinant Matched Antibody Pair - PBS only. 86059-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag23423. 86059-3-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



The mean LRRC32 concentration was determined to be 16.61 ng/mL in human placenta tissue extract based on a 3.2 mg/mL extract load.



Serum of sixteen individual healthy human donors was measured. The human LRRC32 concentration of detected samples was determined to be 0.37 ng/mL with a range of 0 - 1.01 ng/mL



Biolayer interferometry (BLI) kinetic assays of 86059-2-RR against Human LRRC32 were performed. The affinity constant is 1.40 nM.