

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
Concentration:	1 mg/ml	GenID (NCBI):	2615
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:

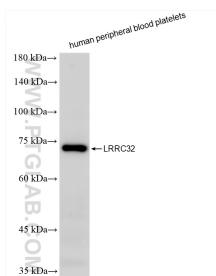
T: 4006900926

E: Proteintech-CN@ptglab.com

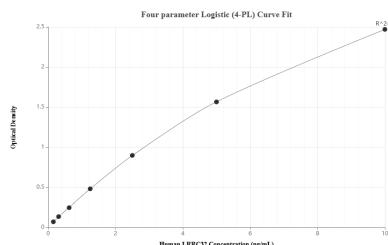
W: ptgcn.com

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

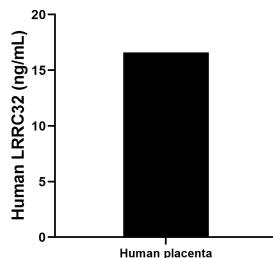
Selected Validation Data



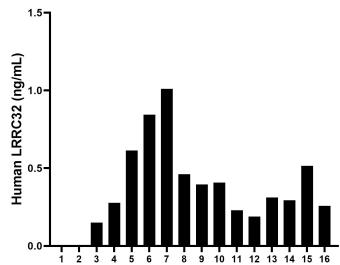
human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 86059-2-RR (LRRC32 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86059-2-PBS in a different storage buffer formulation.



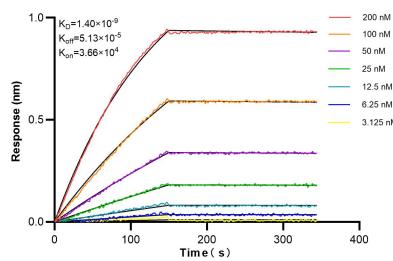
Sandwich ELISA standard curve of MPO2335-1, Human LRRC32 Recombinant Matched Antibody Pair - PBS only. 86059-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag23423. 86059-3-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



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.