For Research Use Only

LRRC32 Recombinant antibody

Catalog Number:86059-2-RR

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Basic Information

Catalog Number:
86059-2-RR

Concentration:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG23423

GenBank Accession Number:
BC070079

GeneID (NCBI):
2615

UNIPROT ID:
Q14392

Full Name:
leucine rich repeat containing 32

Calculated MW:
72 kDa

Observed MW:
72-80 kDa

Purification Method:
Protein A purification

CloneNo.:
250611B1

Recommended Dilutions:
WB: 1:500-1:2000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : human peripheral blood platelets, HUVEC cells

Background Information

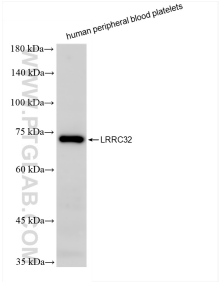
LRRC32, also known as GARP, is a transmembrane protein of 662 amino acids, the extracellular portion of which contains 20 leucine-rich repeats (PMID: 8180135). LRRC32 is a cell surface receptor on regulatory T-lymphocytes (Treg cells), platelets, hepatic stellate cells and certain cancer cells (PMID: 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

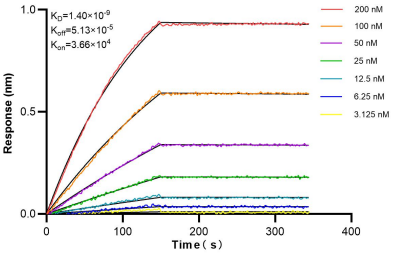
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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.



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