

For Research Use Only

Phospho-CD19 (Tyr531) Recombinant monoclonal antibody

Catalog Number:87153-1-RR



Basic Information

Catalog Number:

87153-1-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001770

GeneID (NCBI):

930

ENSEMBL Gene ID:

ENSG00000177455

UNIPROT ID:

P15391

Full Name:

CD19 molecule

Calculated MW:

556 aa, 61 kDa

Observed MW:

95 kDa

Purification Method:

Protein A purification

CloneNo.:

252332G9

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Ramos cells,

Background Information

CD19 is a 95 kDa type I transmembrane glycoprotein belonging to the immunoglobulin superfamily. Phospho-CD19 (Tyr531) is a phosphorylated form of CD19, which is a protein involved in B cell receptor (BCR) signaling and plays a crucial role in B cell development and function. Phosphorylation of CD19 at Tyr531 is known to recruit PI3K activity leading to Akt activation and attendant S473 phosphorylation. This activation of BCR induces multiple oncogenic signals and treatment with ibrutinib prevents preferentially the activation of BTK in both patients with ABC-like and GCB-like molecular features. (PMID: 20038598)

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:

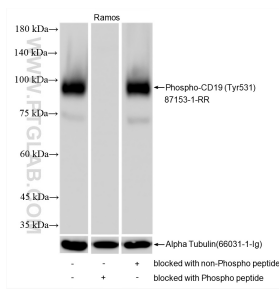
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



Ramos cell lysates were subjected to SDS PAGE followed by western blot with 80351-3-RR (Phospho-CD19 (Tyr531) antibody) blocked with BSA only, Phospho-CD19 (Tyr531) peptide or non-Phospho peptide at dilution of 1:10000 incubated at room temperature for 1.5 hours.