

For Research Use Only

Phospho-CD19 (Tyr531) Recombinant monoclonal antibody, PBS Only

Catalog Number: 87153-1-PBS



Basic Information

Catalog Number: 87153-1-PBS	GenBank Accession Number: NM_001770	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 930	CloneNo.: 252332G9
Source: Rabbit	ENSEMBL Gene ID: ENSG00000177455	
Isotype: IgG	UNIPROT ID: P15391	
	Full Name: CD19 molecule	
	Calculated MW: 556 aa, 61 kDa	
	Observed MW: 95 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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

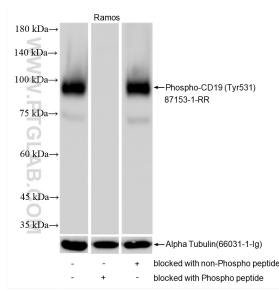
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 87153-1-PBS in a different storage buffer formulation.