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Rabbit Anti-Phospho-CD19 (Tyr531) antibody

SL3065R

Product Name:	Phospho-CD19 (Tyr531)
Chinese Name:	磷酸化CD19抗体
Alias:	Antibody deficiency due to defect in CD19, included; AW495831; B lymphocyte antigen CD19; B lymphocyte surface antigen B4; B4; CD 19; CD19 antigen; CD19 molecule; Cd19 protein; Differentiation Antigen CD19; Leu 12; Leu12; Lymphocyte Surface Antigen; MGC109570; MGC12802; T-cell surface antigen Leu-12.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg /testIF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	59kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human CD19 around the phosphorylation site of Tyr531:DS(p-Y)EN<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	CD19 is a transmembrane glycoprotein that is delectively expressed on the cell surface of B-lymphocytes,where it activates intracellular signaling cascades involving both Ras

and phosphatidylinositol 3-kinase pathways.Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

Function:
Assembles with the antigen receptor of B-lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

Subunit:
Forms a complex with CD21, CD81 and CD225 in the membrane of mature B-cells. Interacts with VAV. Interacts with GRB2 and SOS when phosphorylated on Tyr-348 and/or Tyr-378. Interacts with PLCG2 when phosphorylated on Tyr-409. Interacts with LYN.

Subcellular Location:
Membrane; Single-pass type I membrane protein.

Post-translational modifications:
Phosphorylated on serine and threonine upon DNA damage, probably by ATM or ATR. Phosphorylated on tyrosine following B-cell activation. Phosphorylated on tyrosine residues by LYN.

DISEASE:
Defects in CD19 are the cause of immunodeficiency common variable type 3 (CVID3) [MIM:613493]; also called antibody deficiency due to CD19 defect. CVID3 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B-cells is usually in the normal range, but can be low.

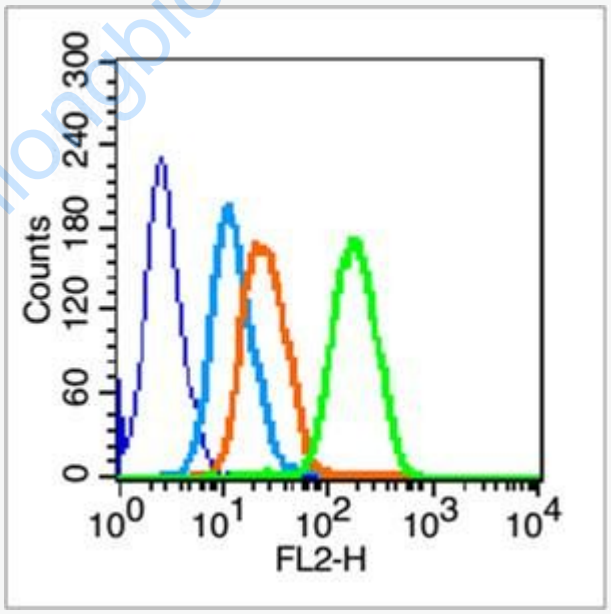
Similarity:
Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

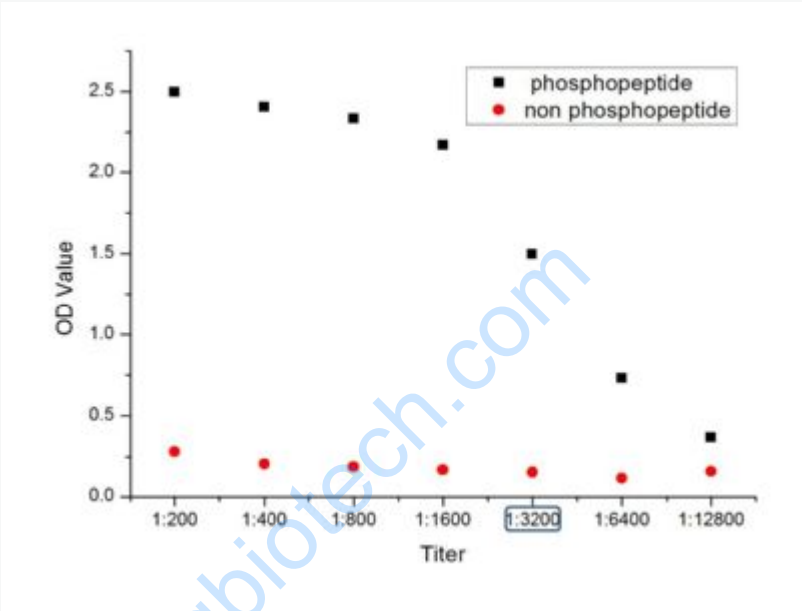
SWISS:
P15391

Gene ID:
930

Database links:

Entrez Gene: 930Human

	Entrez Gene: 12478Mouse Entrez Gene: 365367Rat Omim: 107265Human SwissProt: P15391Human SwissProt: P25918Mouse Unigene: 652262Human Unigene: 4360Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. CD19是一种质膜蛋白质，参与信号传导作用。表达与前B细胞和成熟的BThe cell membrane表面，与B细胞的活化调节和发育调节相关，在T细胞和正常粒细胞上无表达。此抗体可以特异性识别CD19，主要用于标记正常B细胞及Tumour性B细胞。
Picture:	 Blank control (blue line): HL60 cells (fixed with 70% methanol (Overnight at 4℃) . Cells stained with Primary Antibody for 30 min at room temperature). Primary Antibody (green line): Rabbit Anti-CD19 antibody (SL3065R),Dilution: 1µg /10^6 cells.

	Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE,Dilution: 1μg /test.  phosphopeptide non phosphopeptide