

For Research Use Only

Anti-Pig CD19 Rabbit Recombinant Antibody

Catalog Number: 98714-2-RR



Basic Information

Catalog Number:

98714-2-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG7132

GenBank Accession Number:

XM_013995590.1

GeneID (NCBI):

397669

UNIPROT ID:

A0A8D0M7A3

Full Name:

CD19 molecule

Calculated MW:

63 kDa

Purification Method:

Protein A purification

CloneNo.:

252413E3

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

pig

Positive Controls:

FC : pig PBMCs,

Background Information

CD19 is a type I transmembrane glycoprotein belonging to the immunoglobulin superfamily (PMID: 2472450). It is expressed by B cells and follicular dendritic cells. CD19 is up-regulated at the step of B-lineage commitment during the differentiation of the hematopoietic stem cell, it remains on during subsequent stages of differentiation until finally down-regulated during terminal differentiation into plasma cells (PMID: 8528044). CD19 is involved in B cell development, activation and differentiation. It is the dominant component for the signaling complex on B cells that includes CD21 (CR2), CD81 (TAPA-1) and CD225 and acts as a critical co-receptor for BCR signal transduction (PMID: 23210908).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

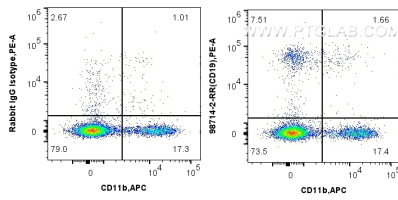
T: 4006900926

E: Proteintech-CN@ptglab.com

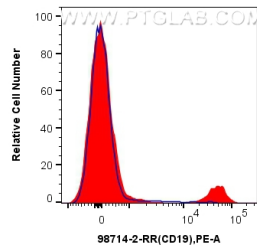
W: ptgcn.com

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Selected Validation Data



1x10⁶ pig PBMCs were surface stained with 0.25 ug Anti-Pig CD19 Rabbit RecAb (98714-2-RR, Clone: 252413E3) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Mouse CD11b (M1/70). Cells were not fixed.



1x10⁶ pig PBMCs were surface stained with 0.25 ug Anti-Pig CD19 Rabbit RecAb (98714-2-RR, Clone: 252413E3) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.