For Research Use Only

CoraLite® Plus 647 Anti-Pig CD19 Rabbit Recombinant Antibody

Catalog Number:CL647-98714-2

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-98714-2

Concentration:
100ug, 500 ug/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 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
pig

Positive Controls:

FC : pig PBMCs,

Background Information

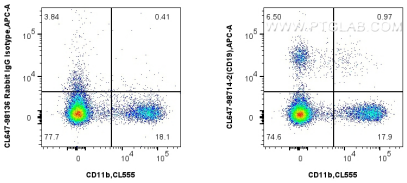
CD19 is a type I transmembrane glycoprotein belonging to the immunoglobulin superfamily (PMID: 2472450). It is expressed by B cells and follicular dendritic cells. CD19 is up-regulated at the step of B-lineage commitment during the differentiation of the hematopoietic stem cell, it remains on during 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

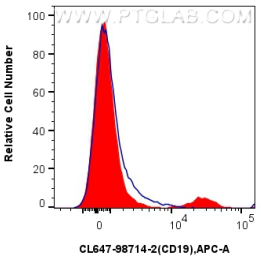
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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

Selected Validation Data



1x10^6 pig PBMCs were surface stained with CoraLite® Plus 555 Anti-Mouse CD11b, and 0.25 ug CoraLite® Plus 647 Anti-Pig CD19 Rabbit RecAb (CL647-98714-2, Clone: 252413E3) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9). Cells were not fixed.



1x10^6 pig PBMCs were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Pig CD19 Rabbit RecAb (CL647-98714-2, Clone: 252413E3) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.