

For Research Use Only

# PE Anti-Biotin Rabbit Recombinant Antibody

Catalog Number: PE-98598



## Basic Information

Catalog Number:

PE-98598

Concentration:

100ug, 200 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Purification Method:

Protein A purification

CloneNo.:

242355B1

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC: 0.1 ug per  $10^6$  cells in a 100  $\mu$ l suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

IF/ICC, FC

Species Specificity:

n/a

Positive Controls:

IF/ICC : HepG2 cells,

FC : human PBMCs, mouse splenocytes

## Background Information

Biotin, also called vitamin H or vitamin B7, is a water-soluble vitamin required by all organisms (PMID: 12055344). It serves as a necessary cofactor for enzymes involved in carboxylation reactions essential for gluconeogenesis, lipid metabolism, and amino acid catabolism (PMID: 38825069). Biotin is often used to label proteins and nucleic acids. This anti-biotin antibody can be used for detecting biotinylated molecules.

## 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 and 0.5% BSA, pH7.3

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

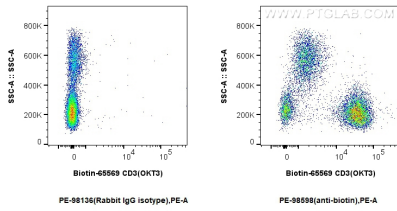
T: 4006900926

E: Proteintech-CN@ptglab.com

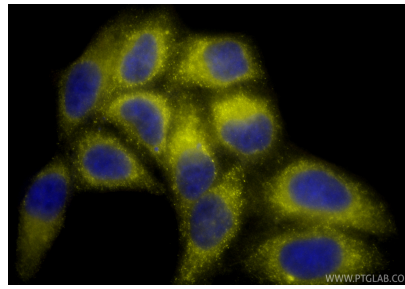
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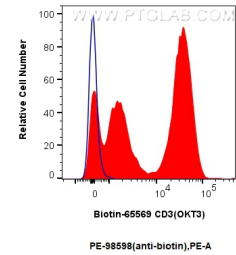
## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with Biotin Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (Biotin-65569, Clone: OKT3), and then stained with 0.1 ug PE Anti-Biotin Rabbit RecAb (PE-98598, Clone: 242355B1) or 0.1 ug PE Rabbit IgG Isotype Control RecAb (PE-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Biotin-conjugated PEX14 Polyclonal antibody (Biotin-10594) at dilution of 1:200, and PE Anti-Biotin Rabbit Recombinant Antibody (PE-98598, Clone: 242355B1) at dilution of 1:200.



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