

For Research Use Only

# Biotin Anti-Human CD7 Rabbit Recombinant Antibody

Catalog Number: Biotin-98204



## Basic Information

Catalog Number:

Biotin-98204

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_006137.7

GeneID (NCBI):

924

ENSEMBL Gene ID:

ENSG00000173762

UNIPROT ID:

P09564

Full Name:

CD7 molecule

Calculated MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

242402H8

## Applications

Tested Applications:

FC

Species Specificity:

human

## Background Information

CD7, or T-cell antigen 7 or GP40, is a transmembrane glycoprotein and a member of the immunoglobulin supergene family. CD7 is predominantly expressed on thymocytes and mature T cells, as well as natural killer (NK) cells, and it is one of the earliest antigens to appear on cells of the T-lymphocyte lineage. CD7 plays a significant role in T-cell and T-cell/B-cell interactions during early lymphoid development. It is involved in the regulation of cell signaling and biology, including T-cell activation, proliferation, and the expression of interleukin-2 receptor alpha (IL-2R $\alpha$ ). CD7 is not only a marker for T-cells but also has functional implications in immune cell interactions and adhesion. It can provide co-stimulatory signals and is associated with CD3 and CD45, participating in T-cell activation.

## 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

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

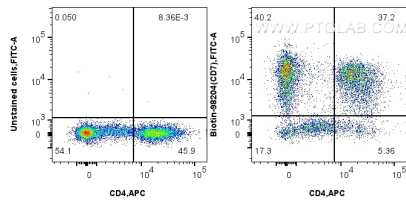
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

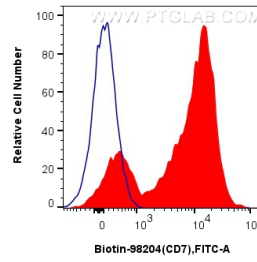
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul Biotin Anti-Human CD7 Rabbit RecAb (Biotin-98204, Clone: 242402H8) and CoraLite®488-conjugated streptavidin, or unstained. Cells were co-stained with APC Anti-Human CD4 (RPA-T4) (APC-65143, Clone: RPA-T4). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul Biotin Anti-Human CD7 Rabbit RecAb (Biotin-98204, Clone: 242402H8) and CoraLite®488-conjugated streptavidin (red), or unstained (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.