

For Research Use Only

Biotin Anti-Human CD14 Rabbit Recombinant Antibody

Catalog Number: Biotin-98040



Basic Information

Catalog Number:

Biotin-98040

Concentration:

100ug, 500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0498

GenBank Accession Number:

BC010507

GeneID (NCBI):

929

ENSEMBL Gene ID:

ENSG00000170458

UNIPROT ID:

P08571

Full Name:

CD14 molecule

Calculated MW:

375 aa, 40 kDa

Purification Method:

Protein A purification

CloneNo.:

230332D7

Recommended Dilutions:

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

Applications

Tested Applications:

FC

Species Specificity:

human, monkey, non-human primates

Positive Controls:

FC : human PBMCs,

Background Information

CD14 is a 50-55 kDa glycosylphosphatidylinositol-anchored glycoprotein preferentially expressed on monocytes and macrophages, and at lower levels on granulocytes (PMID: 3385210; 2462937; 7685797). CD14 can also exist as a soluble protein. CD14 acts as a co-receptor for bacterial liposaccharides (LPS) (PMID: 1698311). It plays a major role in the inflammatory response of monocytes to LPS.

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:

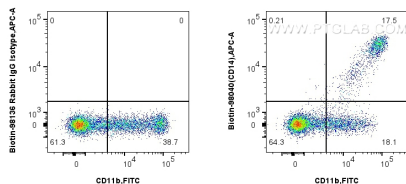
T: 4006900926

E: Proteintech-CN@ptglab.com

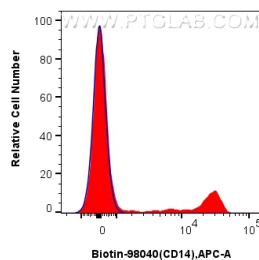
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD14 Rabbit RecAb (Biotin-98040, Clone: 230332D7) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9), and Streptavidin-CorLite® Plus 647 Conjugate (CL647-PF00030). Cells were co-stained with FITC Plus Anti-Mouse CD11b (M1/70) Rat Recombinant Antibody (FITC-65672, Clone: M1/70). Cells were incubated with FC Receptor Block prior to staining.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD14 Rabbit RecAb (Biotin-98040, Clone: 230332D7) (red) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9) (blue), and Streptavidin-CorLite® Plus 647 Conjugate (CL647-PF00030). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.