

For Research Use Only

# FcZero-rAb™ Biotin Anti-Human CD14 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98040



## Basic Information

|                           |                  |                           |                 |   |  |
|---------------------------|------------------|---------------------------|-----------------|---|--|
| Catalog Number:           | Biotin-FcA98040  | GenBank Accession Number: | BC010507        | Purification Method:                    | Protein A purification                                       |
| Concentration:            | 100ug, 500 ug/ml | GenID (NCBI):             | 929             | CloneNo.:                               | 230332D7   |
| Source:                   | Rabbit           | ENSEMBL Gene ID:          | ENSG00000170458 | Recommended Dilutions:                  | FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension |
| Isotype:                  | IgG              | UNIPROT ID:               | P08571          | Excitation/Emission maxima wavelengths: | -  |
| Immunogen Catalog Number: | EG0498           | Full Name:                | CD14 molecule   |   |  |
|                           |                  | Calculated MW:            | 375 aa, 40 kDa  |   |  |

## Applications

|                      |                                   |
|----------------------|-----------------------------------|
| Tested Applications: | Positive Controls:                |
| FC, ELISA            | FC : human PBMCs,                 |
| Species Specificity: | human, monkey, non-human primates |

## 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, pH7.3

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

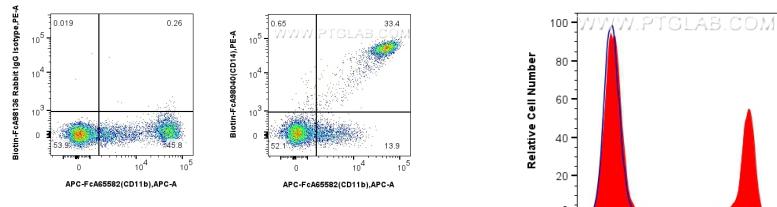
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with 0.25 ug FcZero-rAb™ Biotin Anti-Human CD14 Rabbit RecAb (Biotin-FcA98040, Clone: 230332D7) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb™ APC Anti-Human CD11b (ICRF44) Rabbit IgG Recombinant Antibody (APC-FcA65582, Clone: ICRF44). Cells were not fixed.



$1 \times 10^6$  human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD14 Rabbit RecAb (Biotin-FcA98040, Clone: 230332D7) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.