For Research Use Only

Anti-Mouse CD14 Rabbit Recombinant Antibody

Catalog Number:98020-1-RR

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Basic Information

Catalog Number:
98020-1-RR

Concentration:
100ug, 1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG0847

GenBank Accession Number:
NM_009841.4

GeneID (NCBI):
12475

UNIPROT ID:
P10810

Full Name:
CD14 antigen

Calculated MW:
39 kDa

Purification Method:
Protein A purification

CloneNo.:
240225C2

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in 100 ul suspension

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse peritoneal macrophages,

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.

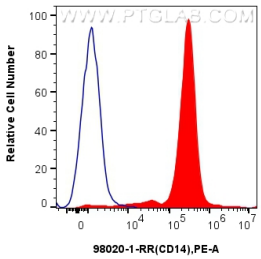
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

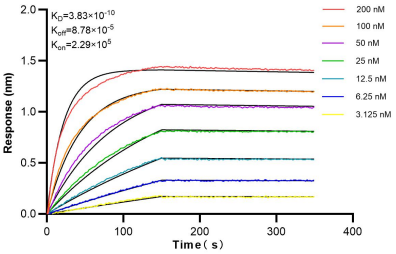
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1x10^6 mouse peritoneal macrophages were surface stained with 0.25 ug Anti-Mouse CD14 Rabbit Recombinant Antibody (98020-1-RR, Clone: 240225C2) and PE-conjugated Goat Anti-Rabbit IgG (red), or 0.25 ug Isotype Control and PE-conjugated Goat Anti-Rabbit IgG (blue). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98020-1-RR against Mouse CD14 were performed. The affinity constant is 0.383 nM.