For Research Use Only

Anti-Canine CD14 Rabbit Recombinant Antibody

Catalog Number:98649-2-RR

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Basic Information

Catalog Number:
98649-2-RR

Concentration:
100ug, 1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG7145

GenBank Accession Number:
/

GeneID (NCBI):
607076

UNIPROT ID:
A0A8C0RD82

Full Name:
CD14 molecule

Calculated MW:
40 kDa

Purification Method:
Protein A purification

CloneNo.:
251781F7

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

Applications

Tested Applications:
FC

Species Specificity:
canine

Positive Controls:

FC : dog 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.

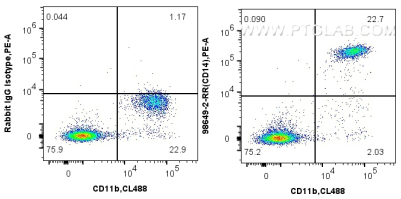
Storage

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

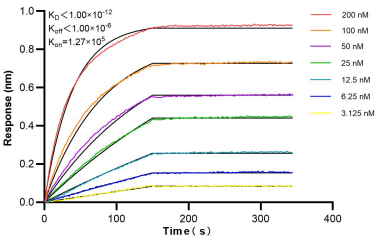
For technical support and original validation data for this product please contact:
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Selected Validation Data



1x10^6 dog PBMCs were surface stained with 0.25 ug Anti-Dog CD14 Rabbit RecAb (98649-2-RR, Clone: 251781F7) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 488 Anti-Mouse CD11b (M1/70). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98649-2-RR against Canine CD14 were performed. The affinity constant is below 1 pM.