

For Research Use Only

Anti-Mouse CD14 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98020-1-PBS



Basic Information

Catalog Number:

98020-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

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

Applications

Tested Applications:

IF/ICC, FC

Species Specificity:

mouse

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 -80°C.

Storage Buffer:

PBS Only

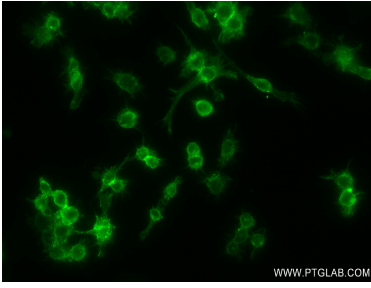
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

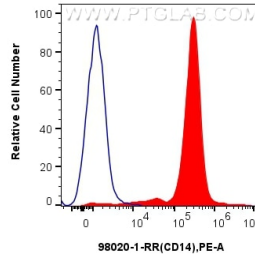
E: proteintech@ptglab.com
W: ptglab.com

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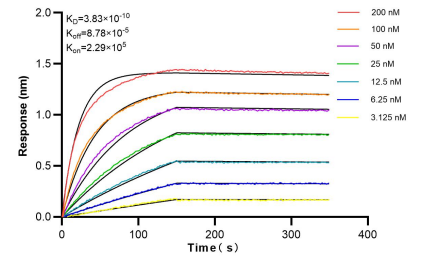
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD14 antibody (98020-1-RR, Clone: 240225C2) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 98020-1-PBS in a different storage buffer formulation.



1×10^6 mouse peritoneal macrophages were surface stained with 0.25 μ g Anti-Mouse CD14 Rabbit Recombinant Antibody (98020-1-RR, Clone: 240225C2) and PE-conjugated Goat Anti-Rabbit IgG (red), or 0.25 μ g Isotype Control and PE-conjugated Goat Anti-Rabbit IgG (blue). Cells were not fixed. This data was developed using the same antibody clone with 98020-1-PBS in a different storage buffer formulation.



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