For Research Use Only

CD14 Polyclonal antibody

Catalog Number:34817-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
34817-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG9429

GenBank Accession Number:
NM_021744.1

GeneID (NCBI):
60350

UNIPROT ID:
Q63691

Full Name:
CD14 molecule

Calculated MW:
40 kDa

Observed MW:
50-55 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
WB: 1:500-1:2000
IF-P: 1:50-1:500

Applications

Tested Applications:
WB, IF-P, ELISA

Species Specificity:
mouse, rat

Positive Controls:

WB : J774A.1 cells, RAW 264.7 cells, rat spleen tissue

IF-P : rat spleen tissue,

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.

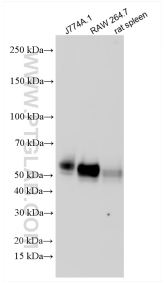
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

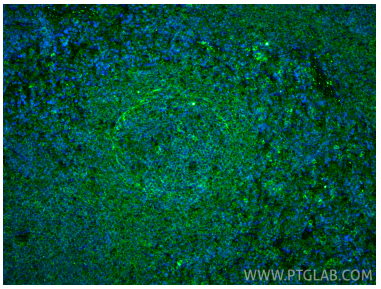
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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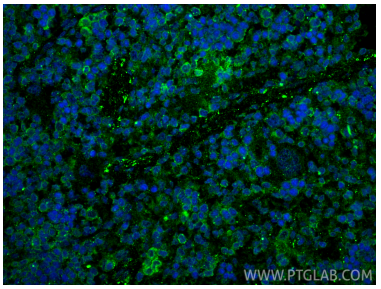
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34817-1-AP (CD14 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat spleen tissue using CD14 antibody (34817-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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