

Datasheet for ABIN390260
anti-CD14 antibody (N-Term)[Go to Product page](#)

7 Images

1 Publication

Overview

Quantity:	400 µL
Target:	CD14
Binding Specificity:	AA 54-83, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD14 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CD14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-83 amino acids from the N-terminal region of human CD14.
Clone:	RB14105
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CD14
Alternative Name:	CD14 (CD14 Products)

Target Details

Background:	CD14 is a surface protein preferentially expressed on monocytes/macrophages. It binds lipopolysaccharide binding protein and recently has been shown to bind apoptotic cells.
Molecular Weight:	40076
Gene ID:	929
NCBI Accession:	NP_000582 , NP_001035110 , NP_001167575 , NP_001167576
UniProt:	P08571
Pathways:	TLR Signaling , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Toll-Like Receptors Cascades

Application Details

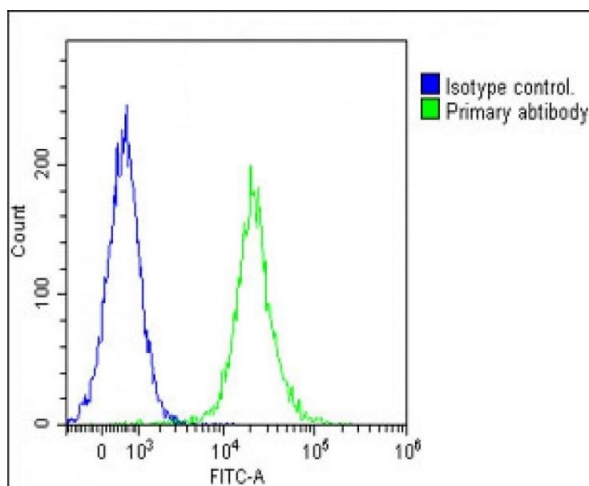
Application Notes:	IF: 1:25. WB: 1:2000. WB: 1:1000. WB: 1:1000. WB: 1:2000. IHC-P-Leica: 1:1000. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

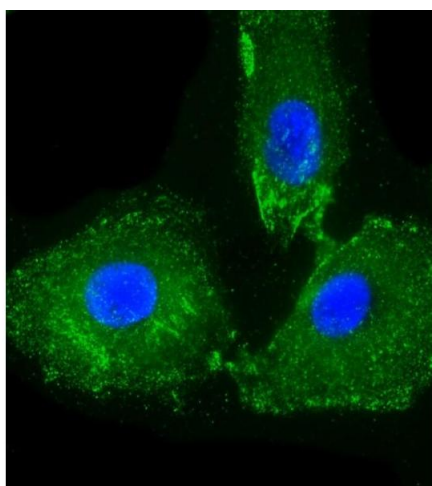
Publications

Product cited in:	Ishida, Akita, Mori, Tanida, Toda, Inoue, Nakada: "Negative regulation of Toll-like receptor-4 signaling through the binding of glycosylphosphatidylinositol-anchored glycoprotein, CD14, with the sialic acid-binding lectin, CD33." in: The Journal of biological chemistry , Vol. 289, Issue 36, pp. 25341-50, (2014) (PubMed).
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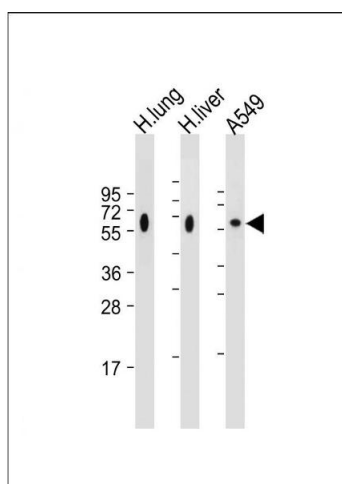
Flow Cytometry

Image 1. Overlay histogram showing Jurkat cells stained with A (green line). The cells were fixed with 2 % paraformaldehyde and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1 μ g/ 1×10^6 cells) used under the same conditions. Acquisition of >10,000 events was performed.



Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized A549 cells labeling CD14 with A at 1/25 dilution, followed by DyLight® 488-conjugated goat anti-Rabbit IgG (OH191631) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm and membrane staining on A549 cell line. Cytoplasmic actin is detected with DyLight® 554 Phalloidin (1186255) at 1/500 dilution (red). The nuclear counter stain is DAPI (blue).



Western Blotting

Image 3. All lanes : Anti-CD14 Antibody (N-term) at 1:2000 dilution Lane 1: Human lung tissue lysate Lane 2: Human liver tissue lysate Lane 3: A549 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN390260.