

Product Datasheet

CD14 Antibody (N-term) (orb1930110)

Catalog Number	orb1930110
Category	Antibodies
Description	Purified Rabbit Polyclonal Antibody (Pab)
Target	CD14
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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. Antigen Region: 54-83 aa.
UniProt ID	P08571
MW	40076 Da
Tested applications	FC, IF, IHC-P, WB
Dilution range	IF - 1:25, WB - 1:1000, IHC-P-Leica - 1:1000, FC - 1:25

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7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

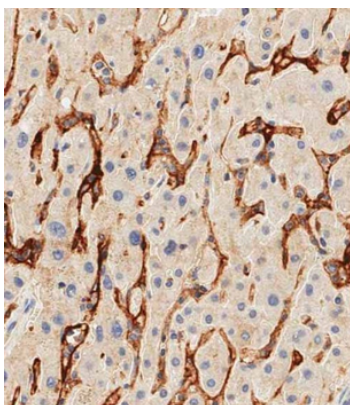
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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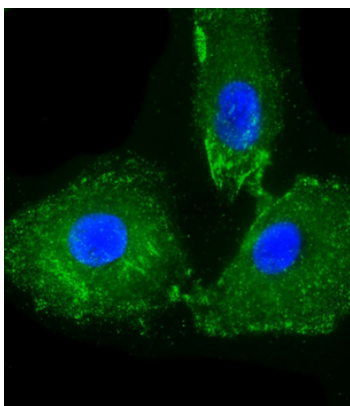
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
NCBI	NP_001167576.1, NP_001167575.1, NP_000582.1, NP_001035110.1
Expiration Date	12 months from date of receipt.



Immunohistochemical analysis of paraffin-embedded human liver tissue was performed on the Leica BOND RXm. Tissue was fixed with formaldehyde at room temperature; antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (1:1000) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized A549 cells labeling CD14 at 1/25 dilution, followed by Dylight 488-conjugated goat anti-Rabbit IgG 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).

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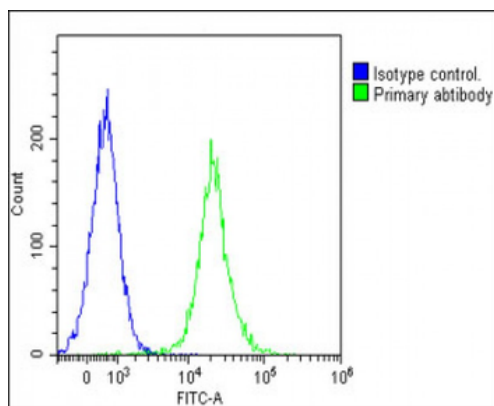
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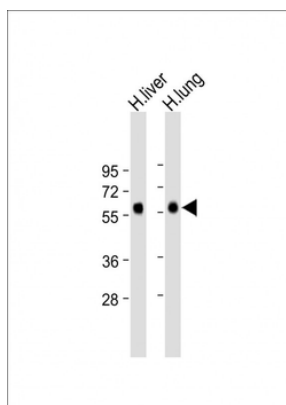
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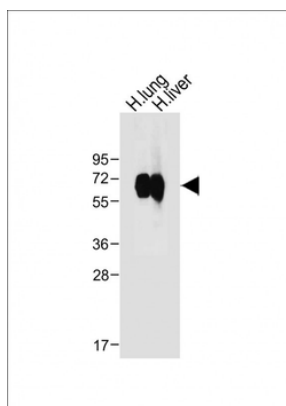
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Overlay histogram showing Jurkat cells stained (green line). The cells were fixed with 2% paraformaldehyde and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein 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 µg/1x10⁶ cells) used under the same conditions. Acquisition of > 10000 events was performed.



All lanes: Anti-CD14 Antibody (N-term) at 1:2000 dilution. Lane 1: Human liver lysate. Lane 2: Human lung lysate. Lysates/proteins at 20 µg 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.



All lanes: Anti-CD14 Antibody (N-term) at 1:1000 dilution. Lane 1: Human lung tissue lysate. Lane 2: Human liver tissue lysate. Lysates/proteins at 20 µg 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.

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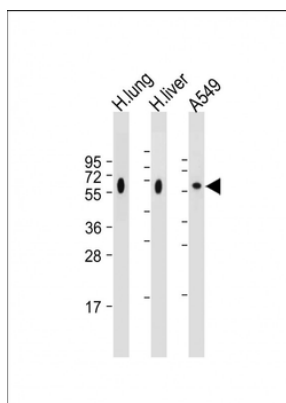
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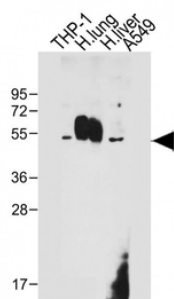
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All lanes: Anti-CD14 Antibody (N-term) at 1:2000 dilution. Lane 1: Human lung tissue lysate. Lane 2: Human liver tissue lysate. Lane 3: A549 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated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



All lanes: Anti-CD14 Antibody (N-term) at 1:1000 dilution. Lane 1: THP-1 whole cell lysate. Lane 2: Human lung tissue lysate. Lane 3: Human liver tissue lysate. Lane 4: A549 whole cell lysate. Lysates/proteins at 20 µg 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.

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