

# Product Datasheet

## CD14 Antibody (SC69-02)

### NBP2-67630

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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#### Publications: 2

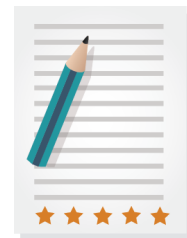
Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
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Updated 10/23/2024 v.20.1

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**NBP2-67630**

CD14 Antibody (SC69-02)

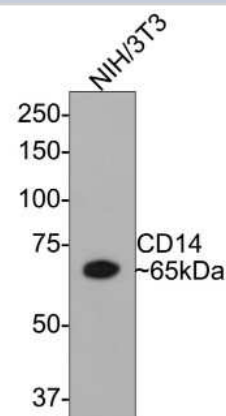
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SC69-02
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	929
Gene Symbol	CD14
Species	Human, Mouse
Immunogen	Synthetic peptide within Human CD14 aa 310-335 / 375. (SwissProt: P08571 Human; SwissProt: P10810 Mouse)

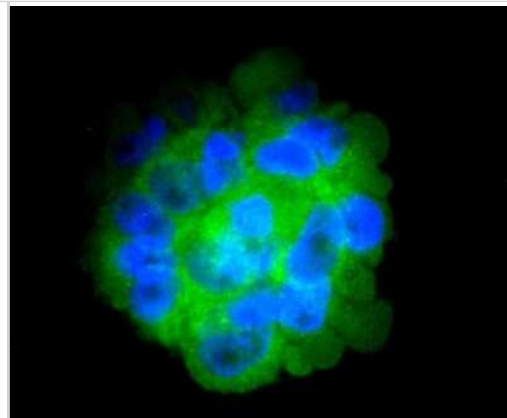
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Multiplex Immunoassay
Recommended Dilutions	Western Blot 1:500-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:800, Multiplex Immunoassay Multiplex IHC: 1:800-1:1000

**Images**

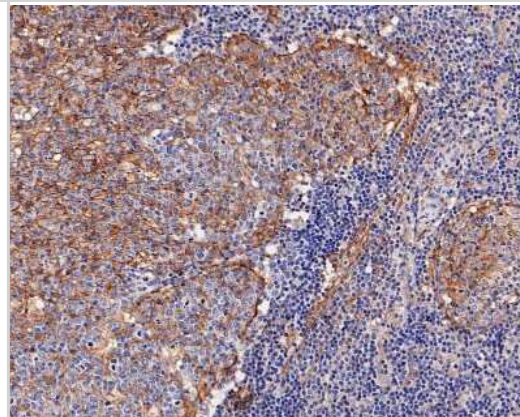
Western Blot: CD14 Antibody (SC69-02) [NBP2-67630] - Analysis of CD14 on NIH/3T3 cell lysates with Rabbit anti-CD14 antibody at 1/500 dilution. Lysates/proteins at 10 ug/Lane. Predicted band size: 40 kDa Observed band size: 65 kDa Exposure time: 2 minutes; 8% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody at 1/500 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



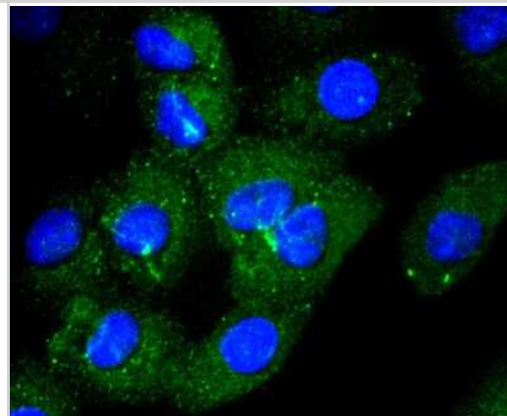
Immunocytochemistry/Immunofluorescence: CD14 Antibody (SC69-02) [NBP2-67630] - Staining CD14 in NCCIT cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



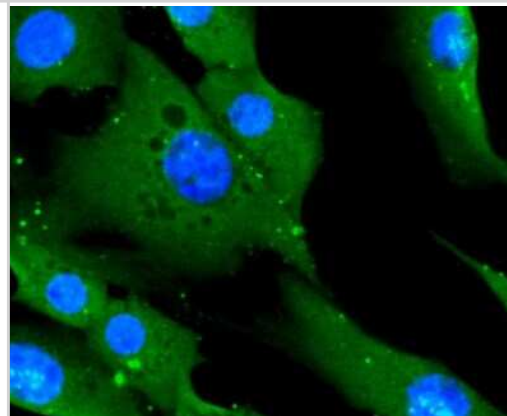
Immunohistochemistry-Paraffin: CD14 Antibody (SC69-02) [NBP2-67630] - Analysis of paraffin-embedded human lymph nodes tissue with Rabbit anti-CD14 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/800 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



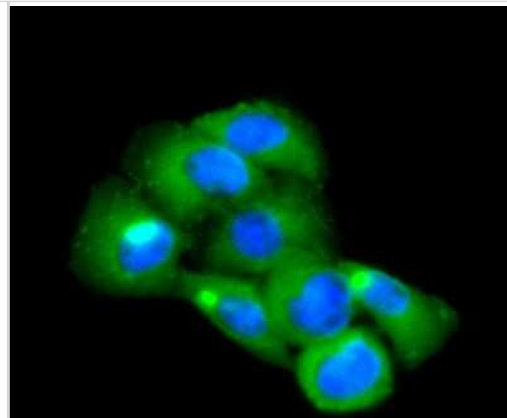
Immunocytochemistry/Immunofluorescence: CD14 Antibody (SC69-02) [NBP2-67630] - Staining CD14 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



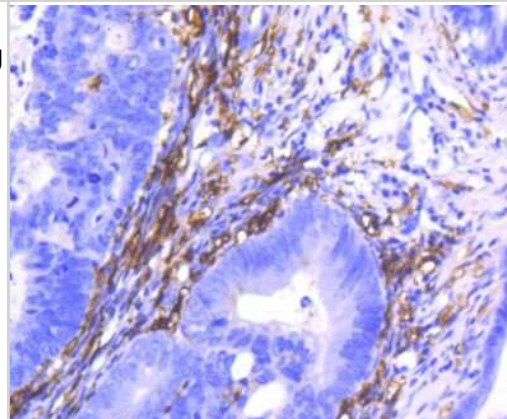
Immunocytochemistry/Immunofluorescence: CD14 Antibody (SC69-02) [NBP2-67630] - Staining CD14 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



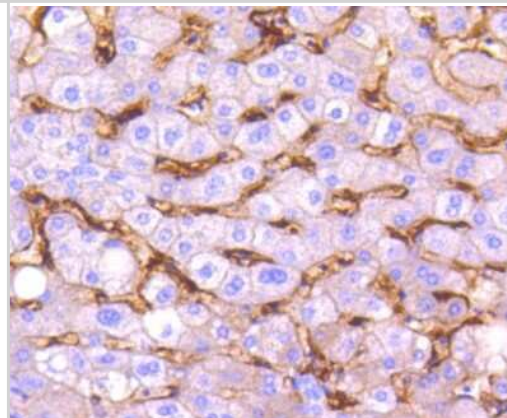
Immunocytochemistry/Immunofluorescence: CD14 Antibody (SC69-02) [NBP2-67630] - Staining CD14 in LO2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



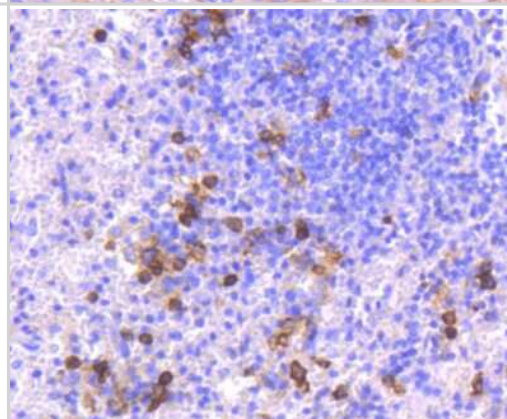
Immunohistochemistry-Paraffin: CD14 Antibody (SC69-02) [NBP2-67630] - Analysis of paraffin-embedded human colon cancer tissue using anti-CD14 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: CD14 Antibody (SC69-02) [NBP2-67630] - Analysis of paraffin-embedded human liver tissue using anti-CD14 antibody. Counter stained with hematoxylin.

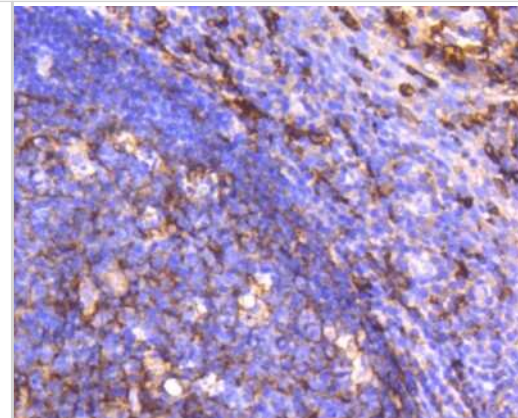


Immunohistochemistry-Paraffin: CD14 Antibody (SC69-02) [NBP2-67630] - Analysis of paraffin-embedded human spleen tissue using anti-CD14 antibody. Counter stained with hematoxylin.

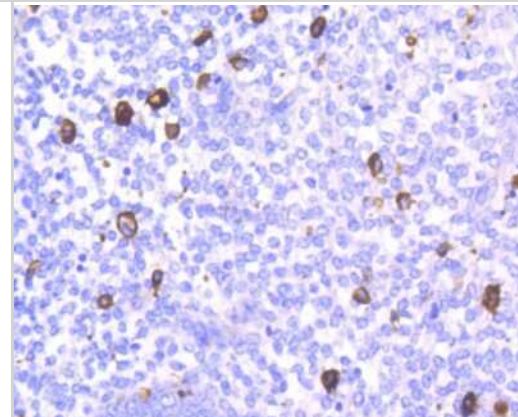




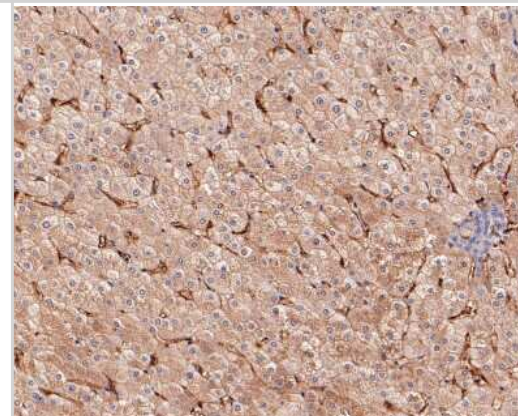
Immunohistochemistry-Paraffin: CD14 Antibody (SC69-02) [NBP2-67630] - Analysis of paraffin-embedded human tonsil tissue using anti-CD14 antibody. Counter stained with hematoxylin.



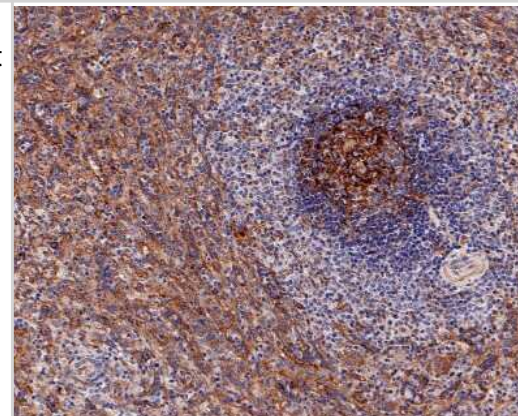
Immunohistochemistry-Paraffin: CD14 Antibody (SC69-02) [NBP2-67630] - Analysis of paraffin-embedded human uterus tissue using anti-CD14 antibody. Counter stained with hematoxylin.



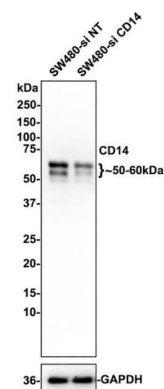
Immunohistochemistry-Paraffin: CD14 Antibody (SC69-02) [NBP2-67630] - Analysis of paraffin-embedded human liver tissue with Rabbit anti-CD14 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/800 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



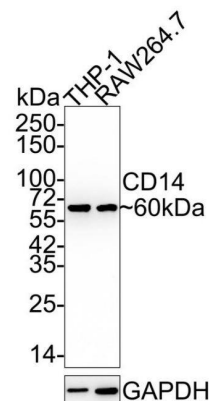
Immunohistochemistry-Paraffin: CD14 Antibody (SC69-02) [NBP2-67630] - Analysis of paraffin-embedded human spleen tissue with Rabbit anti-CD14 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Western Blot: CD14 Antibody (SC69-02) [NBP2-67630] - analysis of CD14 on different lysates with Rabbit anti-CD14 antibody at 1/1,000 dilution. Lane 1: SW480-si NT cell lysate Lane 2: SW480-si CD14 cell lysate Lysates/proteins at 10 ug/Lane. Predicted band size: 40 kDa Observed band size: 50-60 kDa Exposure time: 7 seconds; ECL: merk 4-20% SDS-PAGE gel.



Western Blot: CD14 Antibody (SC69-02) [NBP2-67630] - analysis of CD14 on different lysates with Rabbit anti-CD14 antibody at 1/5,000 dilution. Lane 1: THP-1 cell lysate Lane 2: RAW264.7 cell lysate Lysates/proteins at 15 ug/Lane. Predicted band size: 40 kDa Observed band size: 60 kDa Exposure time: 1 minute 40 seconds; 4-20% SDS-PAGE gel.



## Publications

Irshad Ali Sheikh, Jared Bianchi-Smak, Daniel Laubitz, Gabriele Schiro, Monica T. Midura-Kiela, David G. Besselsen, Gayatri Vedantam, Sara Jarmakiewicz, Rafał Filip, Fayez K. Ghishan, Nan Gao, Pawel R. Kiela Transplant of microbiota from Crohn's disease patients to germ-free mice results in colitis Gut Microbes 2024-03-27 [PMID: 38532703]

Pham L Increased CD11B+ Immune Cells Contribute to Thoracic Aortic Aneurysm Rupture Thesis 2022-01-01



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### Products Related to NBP2-67630

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-52177-0.05mg	Recombinant Mouse CD14 His Protein

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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