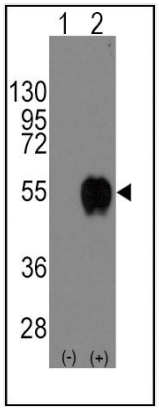
CD14 Antibody – Rabbit Polyclonal

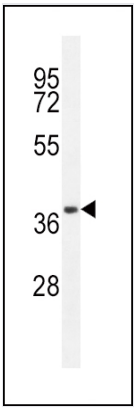
PRODUCT OVERVIEW

Product Name	CD14, Polyclonal Antibody
Full Product Name	CD14, NT (CD14, Monocyte differentiation antigen CD14, Myeloid cell-specific leucine-rich glycoprotein, CD14, Monocyte differentiation antigen CD14, urinary form, Monocyte differentiation antigen CD14, membrane-bound form) (FITC)
Product Gene Name	anti-CD14 antibody
Product Synonym Names	CD14; Monocyte differentiation antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; CD14; Monocyte differentiation antigen CD14; urinary form; Monocyte differentiation antigen CD14; membrane-bound form
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by saturated ammonium sulfate precipitation followed by dialysis against PBS.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer.
Molecular Weight	53kDa
Chromosome Location	Chromosome: 5; NC_000005.9 (140011313..140013286, complement). Location: 5q31.1
OMIM	158120
3D Structure	ModBase 3D Structure for P08571
Immunogen	CD14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61~91 amino acids from the N-terminal region of human CD14.
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-CD14 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD14 antibody	Flow Cytometry (FC/FACS), ELISA (EIA), Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-CD14 antibody	FC/FACS: 1:10-50 ELISA: 1:1,000 IF: 1:10-50 IHC: 1:10-50 WB: 1:50-100 Applications are based on unconjugated antibody.
Related Product Information for anti-CD14 antibody	CD14 is a surface protein preferentially expressed on monocytes/macrophages. It binds lipopolysaccharide binding protein and recently has been shown to bind apoptotic cells.
Product References and Citations for anti-CD14 antibody	Donati, M., J. Periodontol. 79 (3), 517-524 (2008). Yuan, F.F., Immunol. Cell Biol. 86 (3), 268-270 (2008). Setoguchi, M., Biochim. Biophys. Acta 1008 (2), 213-222 (1989) Goyert, S.M., Science 239 (4839), 497-500 (1988).

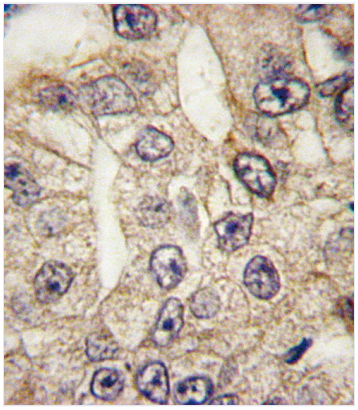
Other Notes	Small volumes of anti-CD14 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD14 purchase	MBS6282787 is an antibody targeting CD14. Also known as CD14, NT (CD14, Monocyte differentiation antigen CD14, Myeloid cell-specific leucine-rich glycoprotein, CD14, Monocyte differentiation antigen CD14, urinary form, Monocyte differentiation antigen CD14, membrane-bound form) (FITC). Reactive in Human. Host: Rabbit.



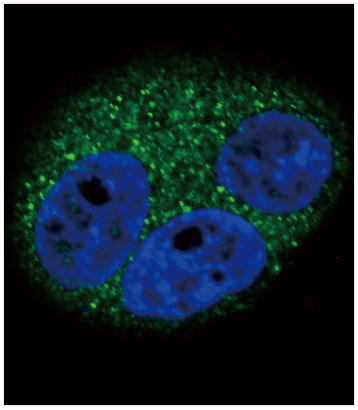
Western Blot (WB) of anti-CD14 antibody
Western blot analysis of CD14(arrow) using rabbit polyclonal CD14 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD14 gene (Lane 2) (Origene Technologies).



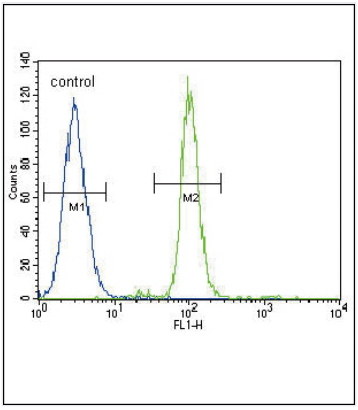
Western Blot (WB) of anti-CD14 antibody
CD14 Antibody (N-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the CD14 antibody detected the CD14 protein (arrow).



Immunohistochemistry (IHC) of anti-CD14 antibody
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with CD14 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Immunofluorescence (IF) of anti-CD14 antibody
Confocal immunofluorescent analysis of CD14 Antibody (N-term) with A549 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).



Immunofluorescence (IF) of anti-CD14 antibody
Confocal immunofluorescent analysis of CD14 Antibody (N-term) with A549 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD14. It may not necessarily be applicable to this product.

NCBI GI #	4557417
NCBI GeneID	929
NCBI Accession #	NP_000582.1
UniProt Primary Accession #	P08571
UniProt Secondary Accession #	Q53XT5; Q96FR6; Q96L99; Q9UNS3
UniProt Related Accession #	P08571
GenBank Nucleotide #	NM_000591.3
NCBI Official Full Name	monocyte differentiation antigen CD14
NCBI Official Synonym Full Names	CD14 molecule
NCBI Official Symbol	CD14
UniProt Protein Name	Monocyte differentiation antigen CD14
UniProt Synonym Protein Names	Myeloid cell-specific leucine-rich glycoprotein
Protein Family	Monocyte differentiation antigen
UniProt Gene Name	CD14
UniProt Entry Name	CD14_HUMAN
NCBI Protein Information	monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein
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