

anti-Human, Pig CD14 Antibody | anti-CD14 antibody

Anti-CD14 [MiL2]

CATALOG #	REACTIVITY	APPLICATIONS
AAA72320	Human, Pig	Immunofluorescence, Flow Cytometry, Functional Assay, Western Blot

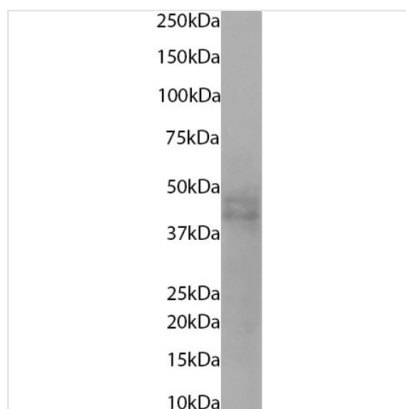
PRODUCT SYNONYMS

CD14; Anti-CD14 [MiL2]; Monocyte antigen; Monocyte differentiation antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; anti-CD14 antibody

PRODUCT SPECIFICATIONS

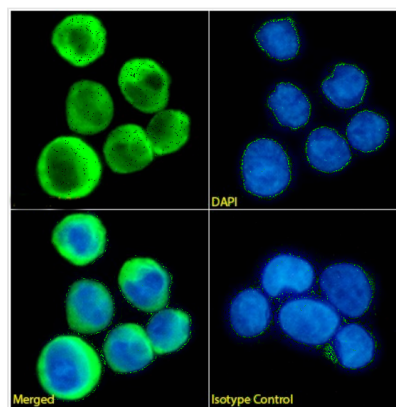
Reactivity	Human, Pig
Isotype	Rabbit IgG kappa
Clone Number	MiL2
Specificity	This antibody is specific for porcine CD14.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD14 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), WB (Western Blot)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)

Western blot using anti-CD14 antibody MiL2 . U937 cells lysate (35ug protein in RIPA buffer) was resolved via SDS-PAGE, and the subsequent blot was probed with the mouse version of MiL2 at 1ug/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1 hour was used, and proteins were detected by chemiluminescence.



IF (Immunofluorescence)

Immunofluorescence staining of U937 cells with anti-CD14 antibody MiL2 . Immunofluorescence analysis of paraformaldehyde-fixed U937 cells on Shi-fix™ coverslips stained with the mouse IgG2b version of MiL2 (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom,, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD14 antibody	The original antibody was raised by immunizing a mouse with porcine CD14. The levels of CD14 expression and LPS-binding protein (LBP) in the lungs of pigs throughout a PRRSV infection were quantified. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.
Product Categories/Family for anti-CD14 antibody	cytokine ; immune ; inflammation
References	Gucht et al. Viral Immunol. 2005;18(1):116-26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557417
NCBI GeneID	929
NCBI Accession #	NP_000582.1
NCBI GenBank Nucleotide #	NM_000591.3
UniProt Accession #	P08571 ; Q53XT5 ; Q96FR6 ; Q96L99 ; Q9UNS3
Molecular Weight	53kDa
NCBI Official Full Name	monocyte differentiation antigen CD14
NCBI Official Synonym Full Names	CD14 molecule
NCBI Official Symbol	CD14
NCBI Protein Information	monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein
UniProt Protein Name	Monocyte differentiation antigen CD14
UniProt Gene Name	CD14
UniProt Entry Name	CD14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-pig-antibody/cd14/72320>