Datasheet for ABIN673164

anti-CD14 antibody (AA 201-300)

4 Images | 7 Publications

Go to Product page

Overview

Quantity:	100 µL
Target:	CD14
Binding Specificity:	AA 201-300
Reactivity:	Human, Mouse, Rat, Dog, Sheep, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD14 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse CD14
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rabbit, Rat, Sheep
Predicted Reactivity:	Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	CD14

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Target Details

Alternative Name:	CD14 (CD14 Products)
Background:	Synonyms: Monocyte differentiation antigen CD14, Myeloid cell-specific leucine-rich glycoprotein, CD14 Background: In concert with LBP, binds to monomeric lipopolysaccharide and delivers it to the MD-2/TLR4 complex, thereby mediating the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules (By similarity).
Gene ID:	12475
UniProt:	P10810
Pathways:	TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Toll-Like Receptors Cascades

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

Kulhankova, Kinney, Stach, Gourronc, Grumbach, Klingelhutz, Salgado-Pabón: "The Superantigen Toxic Shock Syndrome Toxin-1 Alters Human Aortic Endothelial Cell Function." in: **Infection and immunity**, (2018) (PubMed).

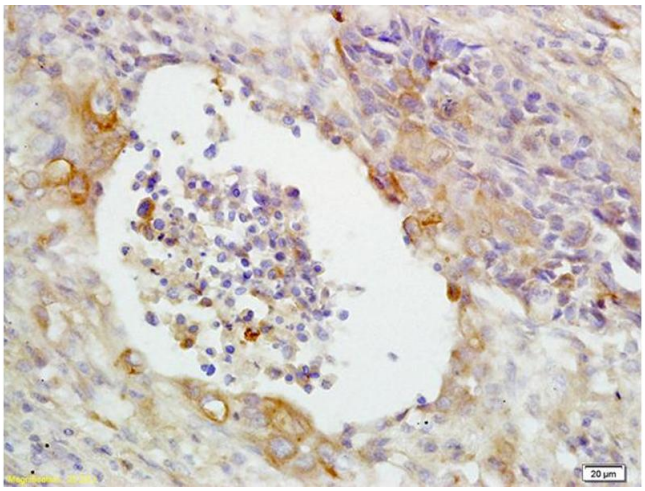
Lee, Chen, Wallace, Sung, Sheu, Chung, Chen, Lu, Ko, Sun, Chiang, Chang, Lee, Yip: "Xenogeneic human umbilical cord-derived mesenchymal stem cells reduce mortality in rats with acute respiratory distress syndrome complicated by sepsis." in: **Oncotarget**, Vol. 8, Issue 28, pp. 45626-45642, (2018) (PubMed).

Sun, Chen, Chang, Chiang, Sung, Chen, Chen, Chen, Kao, Chang, Lee, Yip: "Melatonin treatment enhances therapeutic effects of exosomes against acute liver ischemia-reperfusion injury." in: **American journal of translational research**, Vol. 9, Issue 4, pp. 1543-1560, (2017) (PubMed).

Chang, Hsu, Yang, Sung, Chen, Huang, Kao, Chen, Chen, Chiang, Yip, Lee: "Enhanced protection against renal ischemia-reperfusion injury with combined melatonin and exendin-4 in a rodent model." in: **Experimental biology and medicine (Maywood, N.J.)**, Vol. 241, Issue 14, pp. 1588-602, (2017) (PubMed).

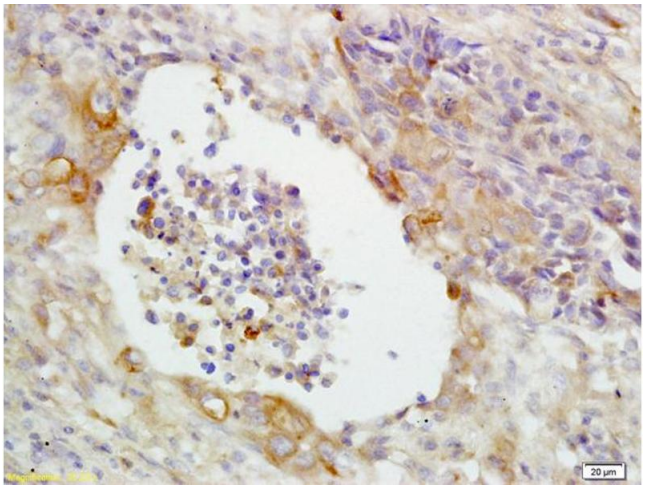
Nau, Seebach, Trumm, Schaible, Kontradowitz, Meier, Buechner, Marzi, Henrich: "Alteration of Masquelet's induced membrane characteristics by different kinds of antibiotic enriched bone cement in a critical size defect model in the rat's femur." in: **Injury**, Vol. 47, Issue 2, pp. 325-34, (2016) (PubMed).

There are more publications referencing this product on: Product page



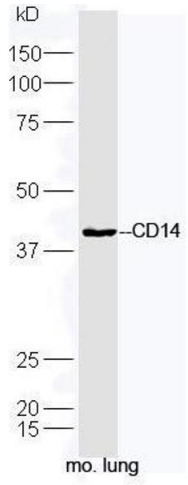
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-CD14 Polyclonal Antibody, unconjugated (ABIN673164) at 1: 200 followed by incubation with conjugated secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-CD14 Polyclonal Antibody, Unconjugated (ABIN673164) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 3. Mouse lung lysates probed with Rabbit Anti-CD14 Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37˚C.

Please check the product details page for more images. Overall 4 images are available for ABIN673164.