Datasheet for ABIN7160185

anti-CD14 antibody (AA 20-345)

9 Images

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Overview

Quantity:	100 µL
Target:	CD14
Binding Specificity:	AA 20-345
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD14 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Monocyte differentiation antigen CD14 protein (20-345AA)
Clone:	14G1F3
Isotype:	IgG1, IgG1 kappa
Cross-Reactivity:	Human, Mouse, Rabbit
Purification:	Protein A purified

Target Details

Target:	CD14
Alternative Name:	CD14 (CD14 Products)

Target Details

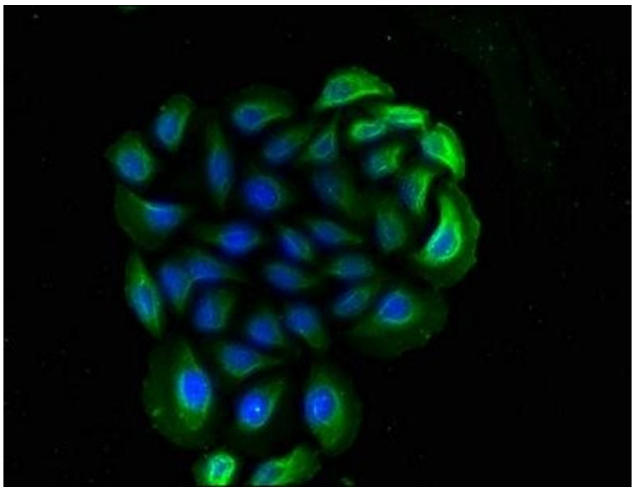
Background:	Background: Coreceptor for bacterial lipopolysaccharide (PubMed:1698311, PubMed:23264655). In concert with LBP, binds to monomeric lipopolysaccharide and delivers it to the LY96/TLR4 complex, thereby mediating the innate immune response to bacterial lipopolysaccharide (LPS) (PubMed:20133493, PubMed:23264655). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed:8612135). Acts as a coreceptor for TLR2:TLR6 heterodimer in response to diacylated lipopeptides and for TLR2:TLR1 heterodimer in response to triacylated lipopeptides, these clusters trigger signaling from the cell surface and subsequently are targeted to the Golgi in a lipid-raft dependent pathway (PubMed:16880211). Binds electronegative LDL (LDL-) and mediates the cytokine release induced by LDL- (PubMed:23880187). Aliases: Monocyte differentiation antigen CD14 (Myeloid cell-specific leucine-rich glycoprotein) (CD antigen CD14) [Cleaved into: Monocyte differentiation antigen CD14, urinary form, Monocyte differentiation antigen CD14, membrane-bound form], CD14
UniProt:	P08571
Pathways:	TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Toll-Like Receptors Cascades

Application Details

Application Notes:	Recommended dilution: WB:1:1000-1:5000, IHC:1:50-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

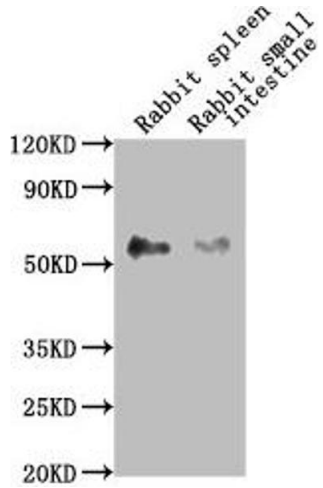
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



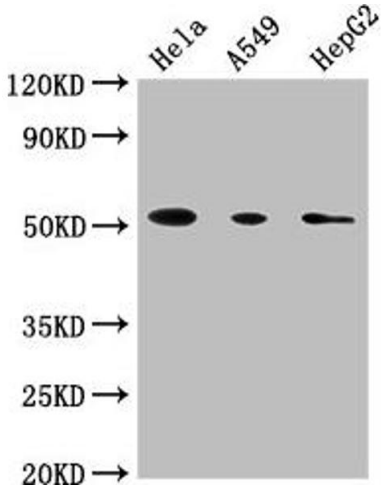
Immunofluorescence

Image 1. Immunofluorescence staining of A549 cells with ABIN7160185 at 1:90, counter-stained with DAPI. The cells were blocked in 10 % normal Goat Serum and then incubated with the primary antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: Rabbit spleen tissue, Rabbit small intestine tissue All lanes: CD14 antibody at 1:2500 Secondary Goat polyclonal to Mouse IgG at 1/10000 dilution Predicted band size: 41 kDa Observed band size: 55 kDa



Western Blotting

Image 3. Western Blot Positive WB detected in: Hela whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate All lanes: CD14 antibody at 1:1800 Secondary Goat polyclonal to Mouse IgG at 1/10000 dilution Predicted band size: 41 kDa Observed band size: 55 kDa

Please check the product details page for more images. Overall 9 images are available for ABIN7160185.