

Anti-CD14 Antibody (7C57)

Product Details

Ig Type:	IgG1
Reactivity:	Human, Mouse, Rat, Rabbit
Conjugation:	Unconjugated
Clone:	7C57
Purification:	Protein A purified

Applications

1. Western Blot

-Positive WB detected in: Rabbit lung tissue, Rabbit liver tissue, 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

2. Western Blot

-Positive WB detected in: Mouse kidney tissue, Rat liver tissue

-All lanes: CD14 antibody at 1:2000

Secondary: Goat polyclonal to Mouse IgG at 1/10000 dilution

-Predicted band size: 41 kDa

-Observed band size: 55 kDa

3. Western Blot

-Positive WB detected in: NIH/3T3 whole cell lysate

-All lanes: CD14 antibody at 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, 1:64000

-Secondary: Goat polyclonal to Mouse IgG at 1/10000 dilution

-Predicted band size: 41 kDa

-Observed band size: 55 kDa

4. Western Blot

-Positive WB detected in: HepG2 whole cell lysate, A549 whole cell lysate, Hela whole cell lysate, Jurkat whole cell lysate, NIH/3T3 whole cell lysate

-All lanes: CD14 antibody at 1:1000

-Secondary: Goat polyclonal to Mouse IgG at 1/10000 dilution

-Predicted band size: 41 kDa

-Observed band size: 55 kDa

5. Immunofluorescence staining of A549 cells with TMAH-00167 at 1:100, 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-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

6. Immunofluorescence staining of HepG2 cells with TMAH-00167 at 1:100, 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-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

7. Immunofluorescence staining of Raw264.7 cells with TMAH-00167 at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the

Verified Activity:

A DRUG SCREENING EXPERT

primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

Application: ELISA,IF,IHC,WB

Properties

Purity: >95%

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human Monocyte differentiation antigen CD14 Protein (20-345AA)

Antigen Species: Human

Gene ID: 929

Uniprot ID: P08571

Synonyms: CD14 molecule; monocyte differentiation antigen CD14; CD14 antigen

Biology Area: Immunology

Research Background

Coreceptor for bacterial lipopolysaccharide. 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). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. 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. Binds electronegative LDL (LDL(-)) and mediates the cytokine release induced by LDL(-).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481
