

# CD14 Monoclonal Antibody



MAC00614

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## Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse, Rabbit

**Source:**

Mouse

**Isotype:**

IgG1

**Applications:**

ELISA, WB, IHC, IF, FC

**Recommended dilutions:**

WB:1:1000-1:5000, IHC:1:50-1:200, IF:1:50-1:200

**Protein 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- .

**Gene ID:**

CD14

**Uniprot**

P08571

**Synonyms:**

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

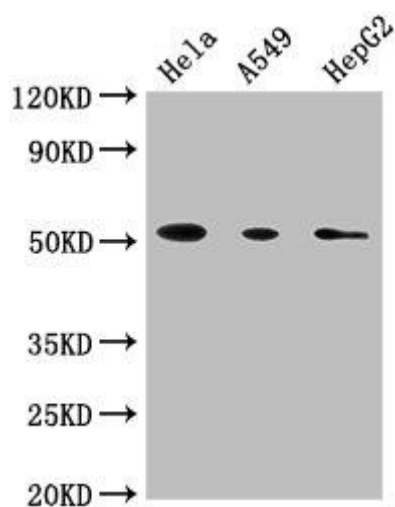
**Immunogen:**

Recombinant Human Monocyte differentiation antigen CD14 protein (20-345AA)

**Storage:**

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

## Product Images



### Western Blot

Positive WB detected in: HeLa whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate

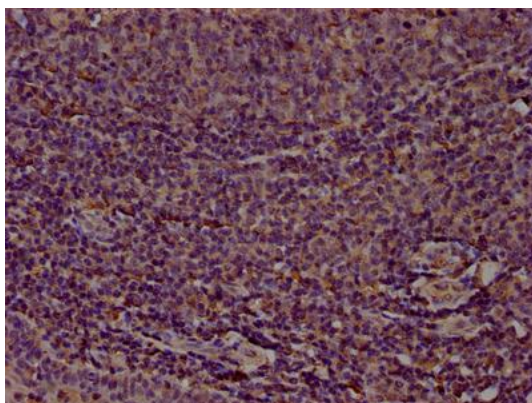
All lanes: CD14 antibody at 1:1800

Secondary

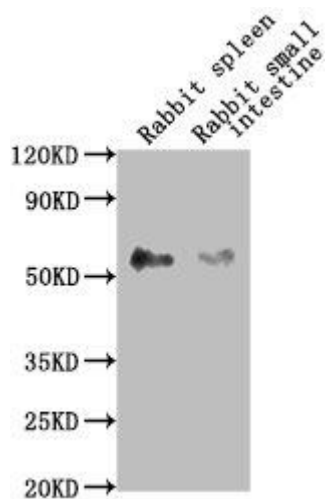
Goat polyclonal to Mouse IgG at 1/10000 dilution

Predicted band size: 41 kDa

Observed band size: 55 kDa



IHC image of MACO0614 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



### 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