

CD14 (ANT0003R) Rabbit mAb

CatalogNo: ANT8248 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 40kD (Calculated)
- IgG,Kappa
- 50kD (Observed)

Isotype

Recommended Dilution Ratios

IHC 1:2000-1:5000

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0003R

Target Information

Endogenous

Gene name CD14
Protein Name CD14

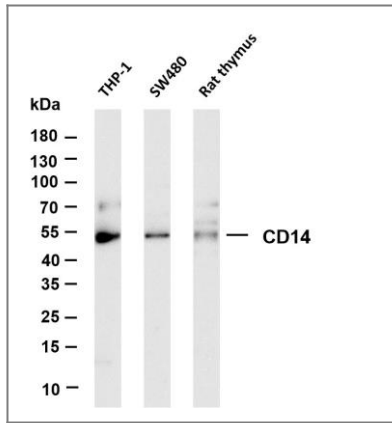
Organism	Gene ID	UniProt ID
Human	929 ;	P08571 ;
Mouse	12475 ;	P10810 ;
Rat	60350 ;	Q63691 ;

Cellular Localization Membrane

Tissue specificity Detected on macrophages (at protein level) (PubMed:1698311). Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.

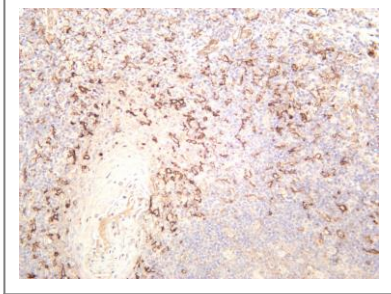
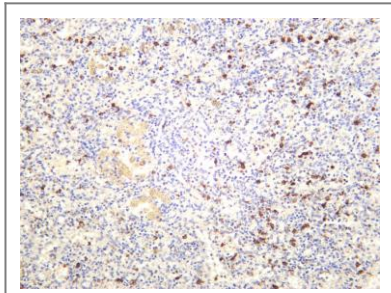
Function Function:Cooperates with MD-2 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules.,online information:CD14 entry,similarity:Contains 11 LRR (leucine-rich) repeats.,subunit:Belongs to the lipopolysaccharide (LPS) receptor, a multi-protein complex containing at least CD14, MD-2 and TLR4.,tissue specificity:Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD14 (ANT0003R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: THP-1 Lane 2: SW480 Lane 3: Rat thymus Predicted band size: 40kDa Observed band size: 50kDa

Human spleen was stained with anti-CD14 (ANT0003R) rabbit antibody



Human tonsil was stained with anti-CD14 (ANT0003R) rabbit antibody

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