

CD14 Rabbit mAb (AR1212)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IHC,IF,ELISA
Isotype:	IgG,Kappa
MW:	40kD (Calculated) 50kD (Observed)

Recommended Dilution Ratios

IHC:	1:2000-1:5000
WB:	1:1000-5000
IF:	1:200-1000
ELISA:	1:5000-20000

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

Clonality	Monoclonal
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Immunogen Information

Specificity	Endogenous
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Target Information

Gene name	CD14
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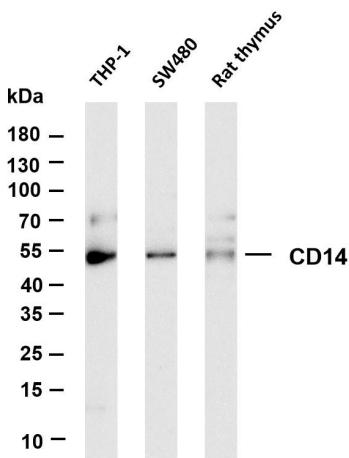
Protein Name	CD14
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Organism	Gene ID	UniProt ID
Human	929	P08571
Mouse	12475	P10810
Rat	60350	Q63691

Cellular Localization	Membrane
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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.
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Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD14 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

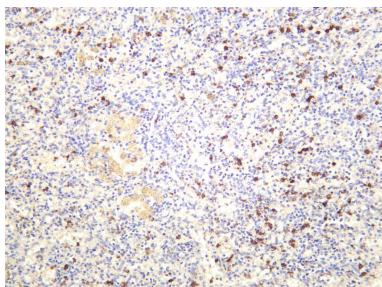
Lane 1: THP-1

Lane 2: SW480

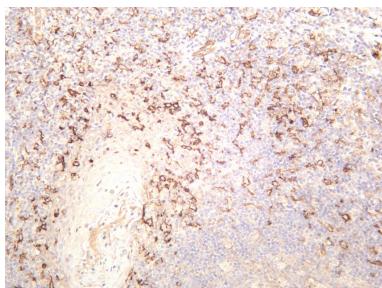
Lane 3: Rat thymus

Predicted band size: 40kDa

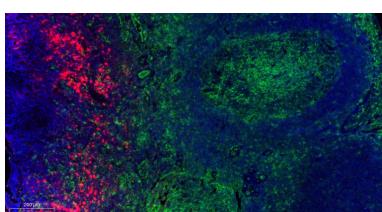
Observed band size: 50kDa



Human spleen was stained with anti-CD14 rabbit antibody



Human tonsil was stained with anti-CD14 rabbit antibody



Fluorescence multiplex immunohistochemical analysis of human tonsil tissue (formalin-fixed paraffin-embedded section). The immunostaining was performed by Sextuple-Fluorescence kit. CD38 rabbit mAb(RED) and CD14 rabbit mAb(GREEN) was tested with different TSA Fluorescence regent. Microscopy and pseudocoloring of individual dyes was performed using a Slideviewer Imaging System (Exilone).

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