



## CD14 mouse mAb(ABT021)

Catalog No	BYab-15529
Isotype	IgG
Reactivity	Human
Applications	IHC;WB;IF
Gene Name	CD14
Protein Name	CD14
Immunogen	Synthesized peptide derived from human CD14
Specificity	The antibody can specifically recognize human CD14 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.62% sodium azide.
Source	Mouse, Monoclonal/IgG2b, kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
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]
Observed Band	
Cell Pathway	Cell membrane ; Lipid-anchor, GPI-anchor . Secreted . Membrane raft . Golgi apparatus . Secreted forms may arise by cleavage of the GPI anchor
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

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658

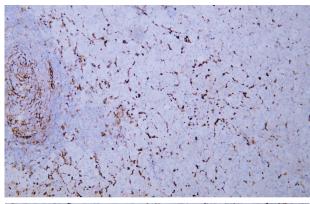


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	specificity:Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.,
Background	The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Mar 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

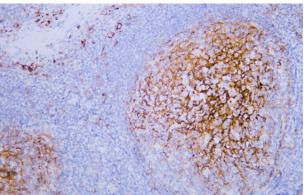
## **Products Images**



Human adrenal gland tissue was stained with anti-CD14(ABT021) antibody.



Human kidney tissue was stained with anti-CD14(ABT021) antibody.

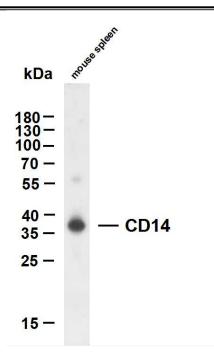


Human tonsil tissue was stained with anti-CD14(ABT021) antibody.

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Mouse spleen whole cell lysates were separated by 12% SDS-PAGE, and the membrane was blotted with anti-CD14(ABT021) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: mouse spleen Predicted band size: 40kDa Observed band size: 40kDa