

For Research Use Only

# CD14 Recombinant monoclonal antibody

Catalog Number: 83055-4-RR



## Basic Information

Catalog Number: 83055-4-RR	GenBank Accession Number: BC010507	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 929	CloneNo.: 230332G1
Isotype: IgG	ENSEMBL Gene ID: ENSG00000170458	Recommended Dilutions: IHC: 1:10000-1:40000
Immunogen Catalog Number: EG0498	UNIPROT ID: P08571	
	Full Name: CD14 molecule	
	Calculated MW: 375 aa, 40 kDa	

## Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human tonsillitis tissue,
Species Specificity: human	
<b>Note-IHC: suggested antigen retrieval with <i>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i></b>	

## Background Information

CD14 is a 50-55 kDa glycosylphosphatidylinositol-anchored glycoprotein preferentially expressed on monocytes and macrophages, and at lower levels on granulocytes (PMID: 3385210; 2462937; 7685797). CD14 can also exist as a soluble protein. CD14 acts as a co-receptor for bacterial liposaccharides (LPS) (PMID: 1698311). It plays a major role in the inflammatory response of monocytes to LPS.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

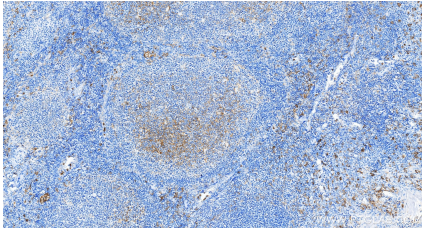
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

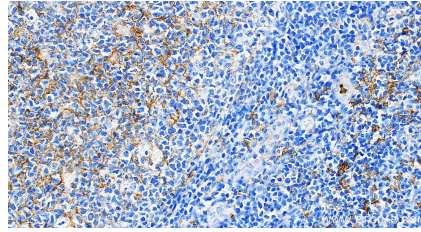
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83055-4-RR (CD14 antibody) at dilution of 1:20000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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