

For Research Use Only

# CD14 Polyclonal antibody

Catalog Number: 17000-1-AP

70 Publications



## Basic Information

### Catalog Number:

17000-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10693

### GenBank Accession Number:

BC010507

### GeneID (NCBI):

929

### ENSEMBL Gene ID:

ENSG00000170458

### UNIPROT ID:

P08571

### Full Name:

CD14 molecule

### Calculated MW:

375 aa, 40 kDa

### Observed MW:

50-55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC: 1:1000-1:4000

IF-P: 1:200-1:800

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

IHC, IF/ICC, IF-P, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, pig

### Cited Species:

human, mouse, rat, pig, sheep

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

IHC : human tonsillitis tissue, human appendicitis tissue, human hepatocirrhosis tissue

IF-P: mouse testis tissue,

IF/ICC : RAW 264.7 cells,

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Su Jin Kim	32875703	EMBO Rep	IF
Xuxin Chen	30362554	J Cell Physiol	FC
Hon-Kan Yip	33162819	Int J Biol Sci	IF

## 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

\*\*\* 20ul sizes contain 0.1% BSA

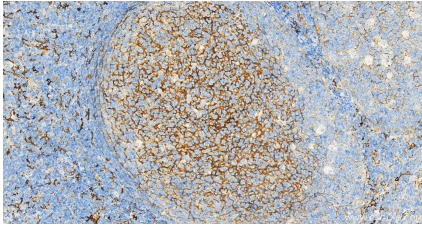
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

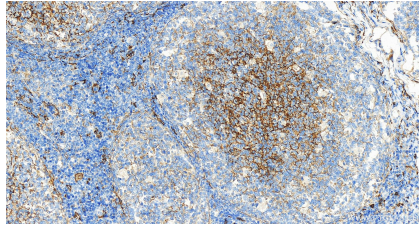
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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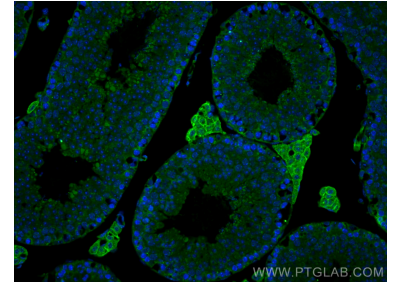
## Selected Validation Data



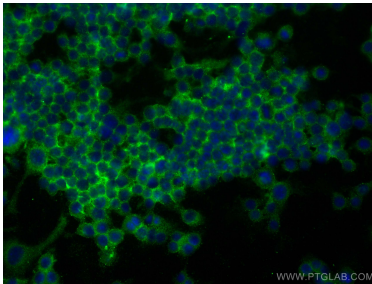
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17000-1-AP (CD14 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17000-1-AP (CD14 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse testis tissue using CD14 antibody (17000-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed RAW 264.7 cells using CD14 antibody (17000-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).