Leader in Biomolecular Solutions for Life Science

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# CD14 Rabbit mAb

## Catalog No.: A19011

Recombinant | 6 Publications

## Basic Information

**Observed MW**
Refer to figures

**Calculated MW**
40kDa

**Category**
Monoclonal Antibodies

**Applications**
IF/ICC, IF-P, IHC-P, mIHC, ELISA

**Cross Reactivity**
Human

**Clone No.**
ARC0353

## 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, and to viruses. This gene has been identified as a target candidate in the treatment of SARS-CoV-2-infected patients to potentially lessen or inhibit a severe inflammatory response. Alternative splicing results in multiple transcript variants encoding the same protein.

## Recommended Dilutions

| | |
|---|---|
| **IF/ICC** | 1:100 - 1:400 |
| **IF-P** | 1:100 - 1:400 |
| **IHC-P** | 1:400 - 1:1600 |
| **mIHC** | 1:400 - 1:1600 |

**ELISA**
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**
929

**Swiss-Prot**
P08571

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
CD14


## Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn


## Product Information

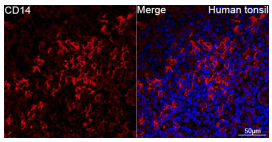
**Source**
Rabbit

**Isotype**
IgG

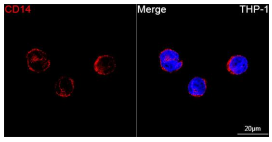
**Purity**
Affinity purification

**Storage**
Store at -20℃

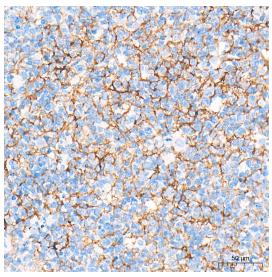
## Validation Data



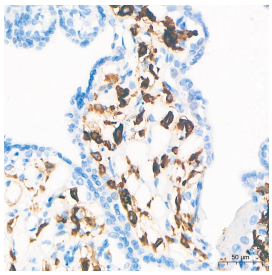

Confocal imaging of paraffin-embedded Human tonsil using CD14 Rabbit mAb (A19011,dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citRate buffer (pH 6.0) prior to IF staining.



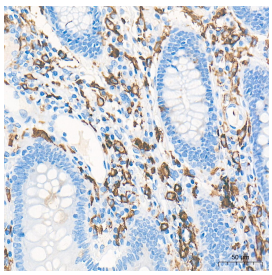

Confocal imaging of THP-1 cells using CD14 Rabbit mAb (A19011,dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 100x.



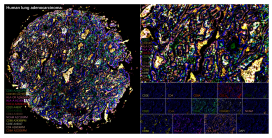
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CD14 Rabbit mAb (A19011) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



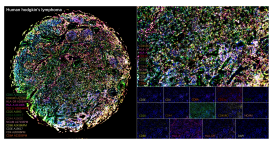
Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using CD14 Rabbit mAb (A19011) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



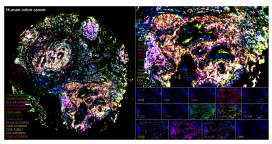
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using CD14 Rabbit mAb (A19011) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



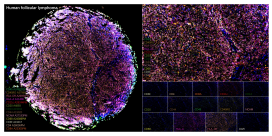
The multiplex IHC analysis on paraffin-embedded Human lung adenocarcinoma tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD45 Rabbit PolymAb® (A24802PM, 1:1000) with TSA-TYR-480 (Green), and Mouse anti-Human CD45RO mAb (A27969, 1:500) with TSA-TYR-520 (Golden Yellow), and HLA-DR Rabbit PolymAb® (A26694PM, 1:1600) with TSA-TYR-570 (Pale Pinkish White), and HLA-A Rabbit mAb (A11406, 1:200) with TSA-TYR-620 (Magenta), and CD11c Rabbit PolymAb® (A28244PM, 1:4000) with TSA-TYR-690 (Red), and CD20 Rabbit mAb (A4893, 1:1000) with TSA-TYR-480 (Yellow-Green), and CD14 Rabbit mAb (A19011, 1:800) with TSA-TYR-520 (Dark Green), and [KO Validated] CD44 Rabbit mAb (A19020, 1:4000) with TSA-TYR-570 (Brown), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-620 (Light Pink), and CD68 Rabbit PolymAb® (A24386PM, 1:8000) with TSA-TYR-690 (Yellow), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-TYR-520 (Cream), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Light Tan), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-690 (Orange). DAPI (White) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Human hodgkin's lymphoma tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD45 Rabbit PolymAb® (A24802PM, 1:1000) with TSA-TYR-480 (Green), and Mouse anti-Human CD45RO mAb (A27969, 1:500) with TSA-TYR-520 (Golden Yellow), and HLA-DR Rabbit PolymAb® (A26694PM, 1:1600) with TSA-TYR-570 (Pale Pinkish White), and HLA-A Rabbit mAb (A11406, 1:200) with TSA-TYR-620 (Magenta), and CD11c Rabbit PolymAb® (A28244PM, 1:4000) with TSA-TYR-690 (Red), and CD20 Rabbit mAb (A4893, 1:1000) with TSA-TYR-480 (Yellow-Green), and CD14 Rabbit mAb (A19011, 1:800) with TSA-TYR-520 (Dark Green), and [KO Validated] CD44 Rabbit mAb (A19020, 1:4000) with TSA-TYR-570 (Brown), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-620 (Light Pink), and CD68 Rabbit PolymAb® (A24386PM, 1:8000) with TSA-TYR-690 (Yellow), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-TYR-520 (Cream), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Light Tan), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-690 (Orange). DAPI (White) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Human colon cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD45 Rabbit PolymAb® (A24802PM, 1:1000) with TSA-TYR-480 (Green), and Mouse anti-Human CD45RO mAb (A27969, 1:500) with TSA-TYR-520 (Golden Yellow), and HLA-DR Rabbit PolymAb® (A26694PM, 1:1600) with TSA-TYR-570 (Pale Pinkish White), and HLA-A Rabbit mAb (A11406, 1:200) with TSA-TYR-620 (Magenta), and CD11c Rabbit PolymAb® (A28244PM, 1:4000) with TSA-TYR-690 (Red), and CD20 Rabbit mAb (A4893, 1:1000) with TSA-TYR-480 (Yellow-Green), and CD14 Rabbit mAb (A19011, 1:800) with TSA-TYR-520 (Dark Green), and [KO Validated] CD44 Rabbit mAb (A19020, 1:4000) with TSA-TYR-570 (Brown), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-620 (Light Pink), and CD68 Rabbit PolymAb® (A24386PM, 1:8000) with TSA-TYR-690 (Yellow), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-TYR-520 (Cream), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Light Tan), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-690 (Orange). DAPI (White) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Human follicular lymphoma tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD45 Rabbit PolymAb® (A24802PM, 1:1000) with TSA-TYR-480 (Green), and Mouse anti-Human CD45RO mAb (A27969, 1:500) with TSA-TYR-520 (Golden Yellow), and HLA-DR Rabbit PolymAb® (A26694PM, 1:1600) with TSA-TYR-570 (Pale Pinkish White), and HLA-A Rabbit mAb (A11406, 1:200) with TSA-TYR-620 (Magenta), and CD11c Rabbit PolymAb® (A28244PM, 1:4000) with TSA-TYR-690 (Red), and CD20 Rabbit mAb (A4893, 1:1000) with TSA-TYR-480 (Yellow-Green), and CD14 Rabbit mAb (A19011, 1:800) with TSA-TYR-520 (Dark Green), and [KO Validated] CD44 Rabbit mAb (A19020, 1:4000) with TSA-TYR-570 (Brown), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-620 (Light Pink), and CD68 Rabbit PolymAb® (A24386PM, 1:8000) with TSA-TYR-690 (Yellow), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-TYR-520 (Cream), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Light Tan), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-690 (Orange). DAPI (White) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.