

# CD74 Rabbit mAb

**Catalog No.: A24027** Recombinant

## Basic Information

**Observed MW**

35kDa

**Calculated MW**

18kDa/24kDa/26kDa/31kDa/34kDa

**Category**

Primary antibody

**Applications**

WB,IHC-P,IF/ICC,FC,ELISA

**Cross-Reactivity**

Human

**CloneNo number**

ARC56788

## Background

The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>FC</b>	1:500 - 1:1000
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

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 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Immunogen Information

**Gene ID**

972

**Swiss Prot**

P04233-2

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 73-232 of human CD74 (NP\_004346.1)

**Synonyms**

II; p33; CLIP; DHLAG; HLADG; Ia-GAMMA

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

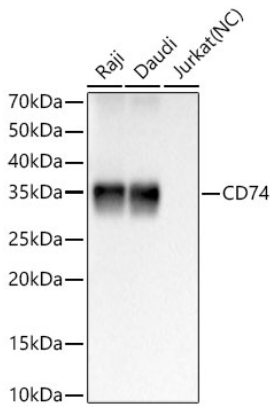
Affinity purification

**Storage**

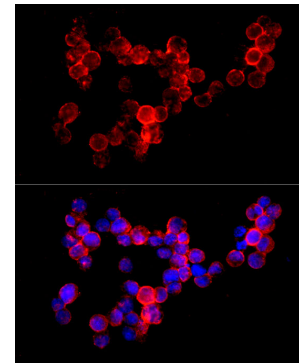
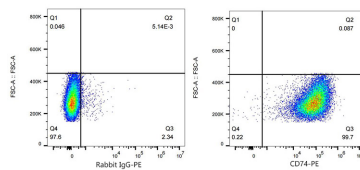
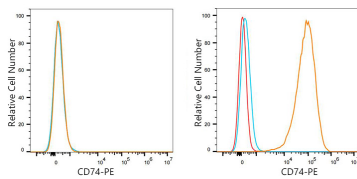
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



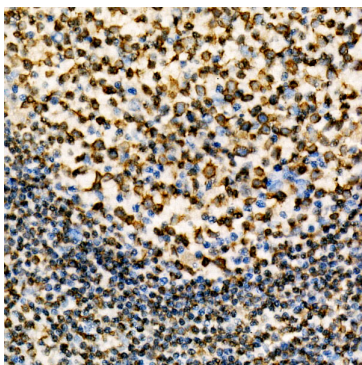
Western blot analysis of various lysates using CD74 Rabbit mAb (A24027) at 1:3000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC):Jurkat Exposure time: 10s.



Flow cytometry:  $1 \times 10^6$  Jurkat cells (negative control, left) and Raji cells (right) were surface-stained with CD74 Rabbit mAb (A24027, 2 µg/mL, orange line) or PE Rabbit IgG isotype control (5 µl/Test, blue line), followed by PE Donkey anti-rabbit Antibody staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  Raji cells were surface-stained with PE Rabbit IgG isotype control (5 µl/Test, left) or CD74 Rabbit mAb (A24027, 2 µg/mL, right).

Immunofluorescence analysis of Raji cells using CD74 Rabbit mAb (A24027) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CD74 Rabbit mAb (A24027) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.