Leader in Biomolecular Solutions for Life Science

www.abclonal.com

CD74 Rabbit mAb

Catalog No.: A24027 Recombinant 1 Publications

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

WB	1:100000 - 1:400000
IHC-P	1:10000 - 1:50000
IF/ICC	1:200 - 1:800
FC	1:500 - 1:1000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
972

Swiss Prot
P04233-2

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

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

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

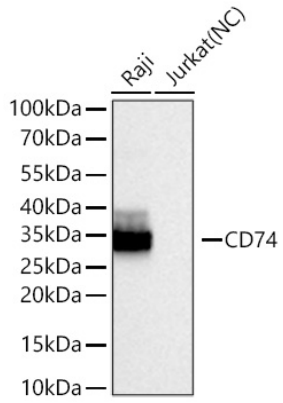
Contact

400-999-6126

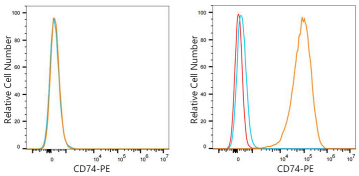
cn.market@abclonal.com.cn

www.abclonal.com.cn

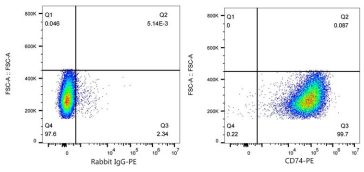
Validation Data



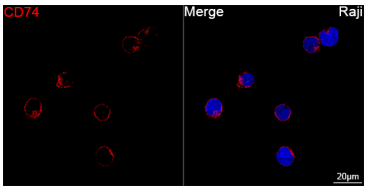
Western blot analysis of various lysates using CD74 Rabbit mAb (A24027) at 1:200000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Jurkat
Exposure time: 10s.



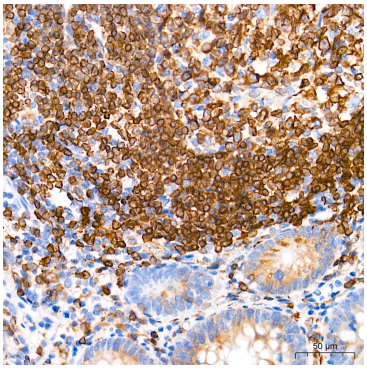
Flow cytometry:1X10^6 Jurkat cells (negative control,left) and Raji cells (right) were surface-stained with CD74 Rabbit mAb (A24027,2 µg/mL,orange line) or PE Rabbit IgG isotype control (5 µl/Test,blue line), followed by PE Donkey anti-rabbit Antibody staining. Non-fluorescently stained cells were used as blank control (red line).



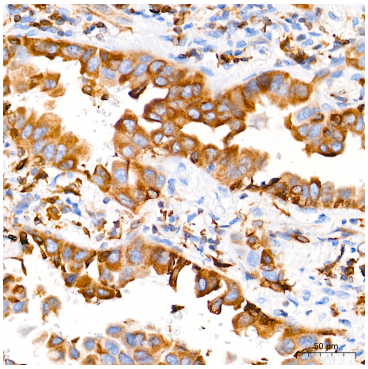
Flow cytometry: 1X10^6 Raji cells were surface-stained with PE Rabbit IgG isotype control (5 µl/Test,left) or CD74 Rabbit mAb (A24027,2 µg/mL,right).



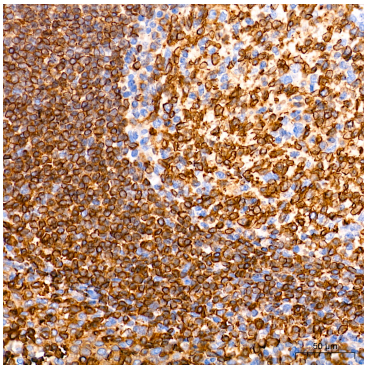
Confocal imaging of Raji cells using CD74 Rabbit mAb (A24027, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human appendix tissue using CD74 Rabbit mAb (A24027) at a dilution of 1:40000 (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 lung cancer tissue using CD74 Rabbit mAb (A24027) at a dilution of 1:40000 (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 tonsil tissue using CD74 Rabbit mAb (A24027) at a dilution of 1:40000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.