

# CD30 Rabbit mAb

Catalog No.: A21230 **Recombinant**

## Basic Information

**Observed MW**

90 kDa/120 kDa

**Calculated MW**

14 kDa/50 kDa/63 kDa

**Category**

Primary antibody

**Applications**

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

**Cross-Reactivity**

Human

**CloneNo number**

ARC52949

## Background

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

## Recommended Dilutions

**WB** 1:2500-1:10000**IHC-P** 1:100 - 1:500**IF/ICC** 1:50 - 1:200**FC** 1:100 - 1:500**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

943

**Swiss Prot**

P28908

**Immunogen**

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

**Synonyms**

CD30; Ki-1; D1S166E

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

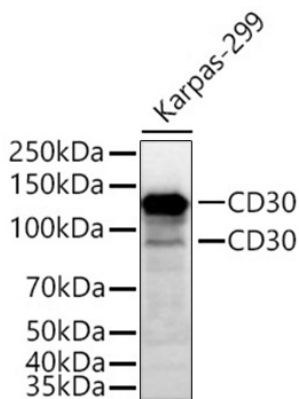
Affinity purification

**Storage**

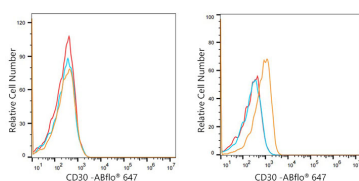
Store at -20°C. Avoid freeze / thaw cycles.

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.

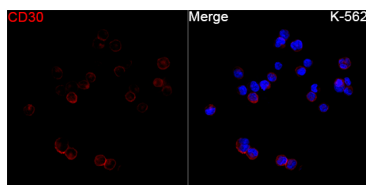
## Validation Data



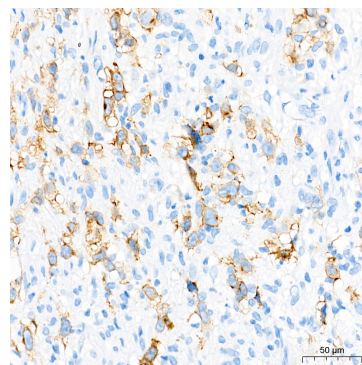
Western blot analysis of lysates from Karpas-299 cells using CD30 Rabbit mAb (A21230) at 1:5000 dilution incubated at room temperature for 1.5 hours.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 45 s.



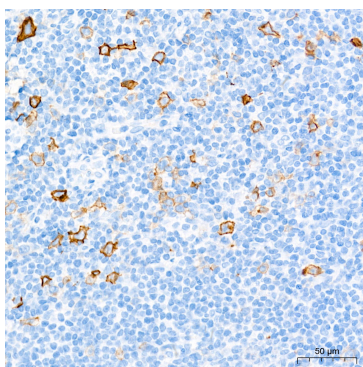
Flow cytometry:  $1 \times 10^6$  A549 cells (negative control, left) and K-562 cells (right) were surface-stained with CD30 Rabbit mAb (A21230, 2 µg/mL, orange line) or ABlo® 647 Rabbit IgG isotype control (A22070, 2 µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Immunofluorescence analysis of K-562 cells using CD30 Rabbit mAb (A21230) at a dilution of 1:200 (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 Hodgkin lymphoma tissue using CD30 Rabbit mAb (A21230) at a dilution of 1:500 (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 CD30 Rabbit mAb (A21230) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.