

**Anti-CD30L Antibody**  
**Catalog # ABO12779****Specification**

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**Anti-CD30L Antibody - Product Information**

Application	IHC-P, IHC-F, FC, ICC
Primary Accession	<a href="#">P32971</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Tumor necrosis factor ligand superfamily member 8(TNFSF8) detection. Tested with IHC-P, IHC-F, ICC, FCM in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-CD30L Antibody - Additional Information**

**Gene ID** 944

**Other Names**

Tumor necrosis factor ligand superfamily member 8, CD30 ligand, CD30-L, CD153, TNFSF8, CD30L, CD30LG

**Calculated MW**

26017 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, By Heat<br>Immunohistochemistry(Frozen Section), 0.5-1 µg/ml<br><br>Immunocytochemistry, 0.5-1 µg/ml<br><br>Flow Cytometry, 1-3½g/1x10<sup>6</sup>cells<br>

**Subcellular Localization**

Membrane; Single-pass type II membrane protein.

**Protein Name**

Tumor necrosis factor ligand superfamily member 8

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

**Immunogen**

E.coli-derived human CD153 recombinant protein (Position: Q63-D234). Human CD153 shares 75% amino acid (aa) sequence identity with mouse CD153.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins.

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Anti-CD30L Antibody - Protein Information**

**Name** TNFSF8

**Synonyms** CD30L, CD30LG

**Function**

Cytokine that binds to TNFRSF8/CD30. Induces proliferation of T-cells.

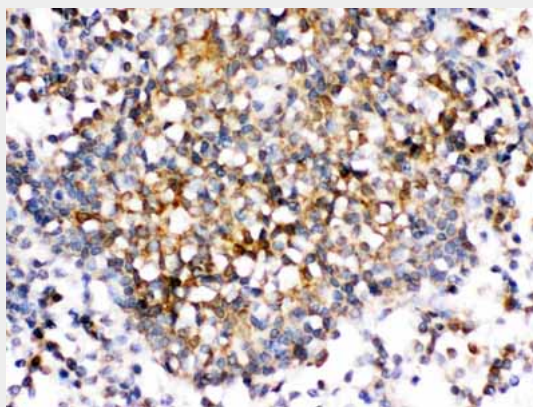
**Cellular Location**

Membrane; Single-pass type II membrane protein.

**Anti-CD30L Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-CD30L Antibody - Images**

CD153 was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti-CD153 Antigen Affinity purified polyclonal antibody (Catalog # ABO12779) at 1 µg/mL. The immunohistochemical section was developed using SABC method .

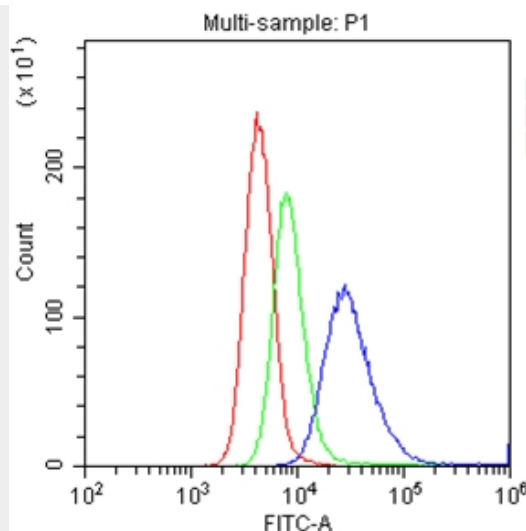


Figure 2. Flow Cytometry analysis of U937 cells using anti-CD153 antibody (ABO12779). Overlay histogram showing U937 cells stained with ABO12779 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD153 Antibody (ABO12779,  $1\frac{1}{4}$ g/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight<sup>®</sup>488 conjugated goat anti-rabbit IgG (BA1127, 5-10 $\frac{1}{4}$ g/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG ( $1\frac{1}{4}$ g/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

#### Anti-CD30L Antibody - Background

CD153 is a ligand for CD30. The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF8/CD30, which is a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. The engagement of this cytokine expressed on B cell surface plays an inhibitory role in modulating Ig class switch. This cytokine was shown to enhance cell proliferation of some lymphoma cell lines, while to induce cell death and reduce cell proliferation of other lymphoma cell lines. The pleiotropic biologic activities of this cytokine on different CD30+ lymphoma cell lines may play a pathophysiologic role in Hodgkin's and some non-Hodgkin's lymphomas. Two transcript variants encoding different isoforms have been found for this gene.