10320 Camino Santa Fe, Suite G
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Anti-CD30L Antibody
Catalog # ABO12779

Specification

Anti-CD30L Antibody - Product Information

Application	**IHC, FC**
Primary Accession	P32971
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
Immunohistochemistry(Frozen Section), 0.5-1 µg/ml

 Immunocytochemistry, 0.5-1 µg/ml

Flow Cytometry, 1-3Î¼g/1x10⁶cells

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 r˚Constitution, 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.

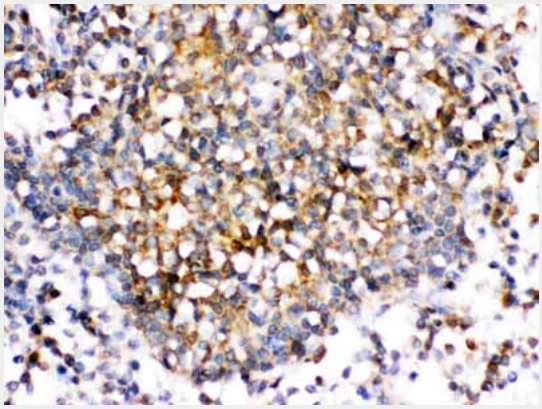
Cellular Location
Membrane; Single-pass type II membrane protein.

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 Cytomety
- 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 ??g/mL. The immunohistochemical section was developed using SABC method .

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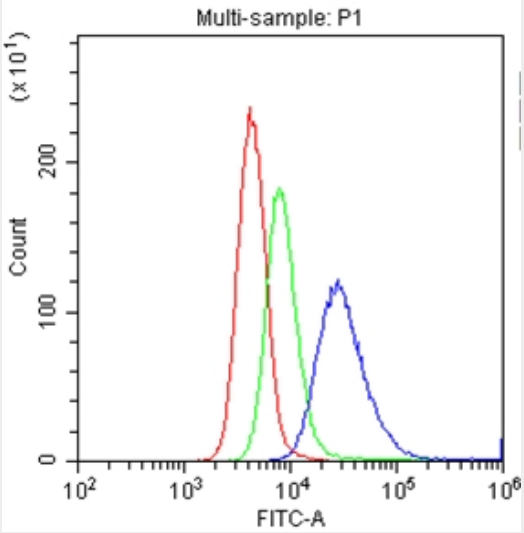

Figure 2. Flow Cytometry analysis of U937 cells using anti-CD153 antibody (ABO12779).Overlay histogram showing U937 cells stained with ABO12779 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD153 Antibody (ABO12779,1Î¼g/1x106 cells) for 30 min at 20Â°C. DyLight?488 conjugated goat anti-rabbit IgG (BA1127, 5-10Î¼g/1x106 cells) was used as secondary antibody for 30 minutes at 20Â°C. Isotype control antibody (Green line) was rabbit IgG (1Î¼g/1x106) 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.