

Anti-CD30L Antibody

Catalog # ABO12779

Product Information

Application	IHC-P, IHC-F, FC, ICC
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.

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
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, By Heat Immunohistochemistry(Frozen Section), 0.5-1 μ g/ml Immunocytochemistry, 0.5-1 μ g/ml Flow Cytometry, 1-3 μ g/1x10 ⁶ cells
Subcellular Localization	Membrane; Single-pass type II membrane protein.
Source	Eukaryota
Protein Name	Tumor necrosis factor ligand superfamily member 8
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.
----------------	--

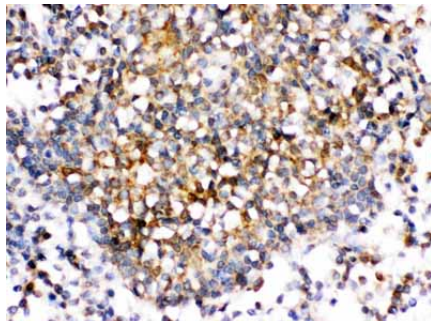
Protein Information

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.

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.

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 .

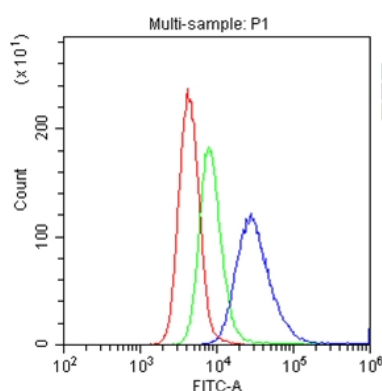


Figure 2. Flow Cytometry analysis of U937 cells using anti-CD153 antibody (ABO12779). Overlay histogram showing U937 cells stained with ABO12779 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD153 Antibody (ABO12779, 1 µg/1x10⁶ cells) for 30 min at 20 °C. DyLight488 conjugated goat anti-rabbit IgG (BA1127, 5-10 µg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 °C. Isotype control antibody (Green line) was rabbit IgG (1 µg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.