

Datasheet for ABIN3044499  
**anti-TNFSF8 antibody (AA 63-234)**



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2 Images

## Overview

Quantity:	100 µg
Target:	TNFSF8
Binding Specificity:	AA 63-234
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNFSF8 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Tumor necrosis factor ligand superfamily member 8(TNFSF8) detection. Tested with IHC-P, FCM in Human.
Immunogen:	E.coli-derived human CD153 recombinant protein (Position: Q63-D234). Human CD153 shares 75% amino acid (aa) sequence identity with mouse CD153.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Tumor necrosis factor ligand superfamily member 8(TNFSF8) detection. Tested with IHC-P, FCM in Human.</p> <p>Gene Name: tumor necrosis factor superfamily member 8</p> <p>Protein Name: Tumor necrosis factor ligand superfamily member 8</p>
Purification:	Immunogen affinity purified.

## Target Details

Target:	TNFSF8
Alternative Name:	TNFSF8 ( <a href="#">TNFSF8 Products</a> )
Background:	<p>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.</p> <p>Synonyms: CD153 antibody CD153 antigen antibody CD30 antigen ligand antibody CD30 L antibody CD30 ligand antibody CD30-L antibody CD30L antibody CD30LG antibody MGC138144 antibody TNFL8_HUMAN antibody Tnfsf8 antibody Tumor necrosis factor (ligand) superfamily member 8 antibody Tumor necrosis factor ligand superfamily member 8 antibody</p>
Gene ID:	944
UniProt:	<a href="#">P32971</a>

## Application Details

Application Notes:	<p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Flow Cytometry: Concentration: 1-3 µg/1x10<sup>6</sup> cells, Tested Species: Human</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

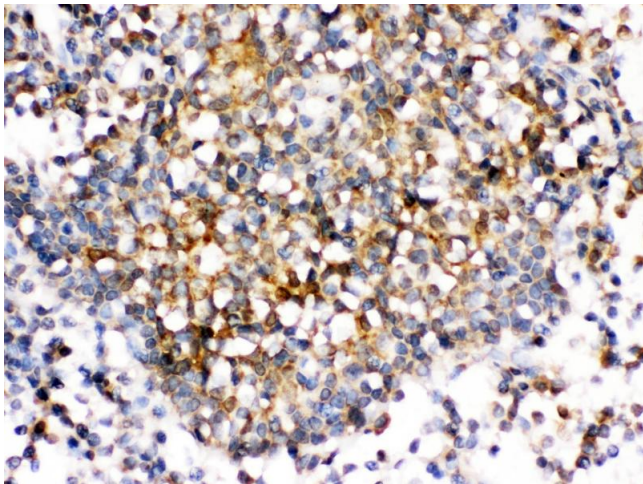
## Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

## Handling

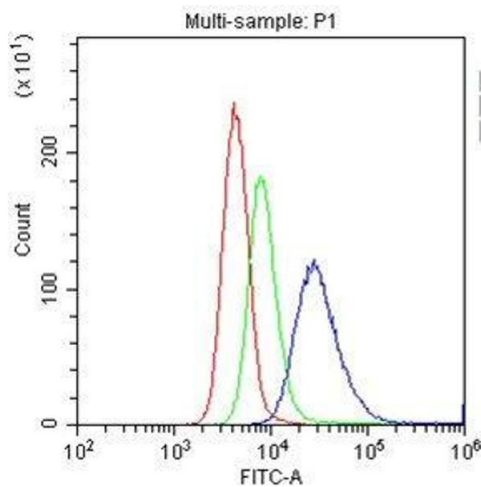
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	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.

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

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



### Flow Cytometry

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