

Datasheet for ABIN6940973

anti-TNFSF9 antibody

4 Images

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Overview

Quantity:	100 µg
Target:	TNFSF9
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFSF9 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human CD137L protein
Clone:	CD137L-1547
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	TNFSF9
Alternative Name:	TNFSF9 (TNFSF9 Products)
Background:	<p>TNFSF9 / 4-1BBL is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9 / 4-1BB, which is a costimulatory receptor molecule in T lymphocytes. This cytokine and its receptor are involved in the antigen presentation process and in the generation of</p>

Target Details

cytotoxic T cells. The receptor TNFRSF9 / 4-1BB is absent from resting T lymphocytes but rapidly expressed upon antigenic stimulation. It has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine is required for the optimal CD8 responses in CD8 T cells. This cytokine is expressed in carcinoma cell lines, and is thought to be involved in T cell-tumor cell interaction.

Molecular Weight: 27kDa

Gene ID: 8744

UniProt: [P41273](#)

Pathways: [Activated T Cell Proliferation](#), [Cancer Immune Checkpoints](#)

Application Details

Application Notes: Positive Control: Raji, 293T, HEK293 cells. Kidney.
Known Application: Flow Cytometry (1-2 µg/million cells in 0.1ml), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

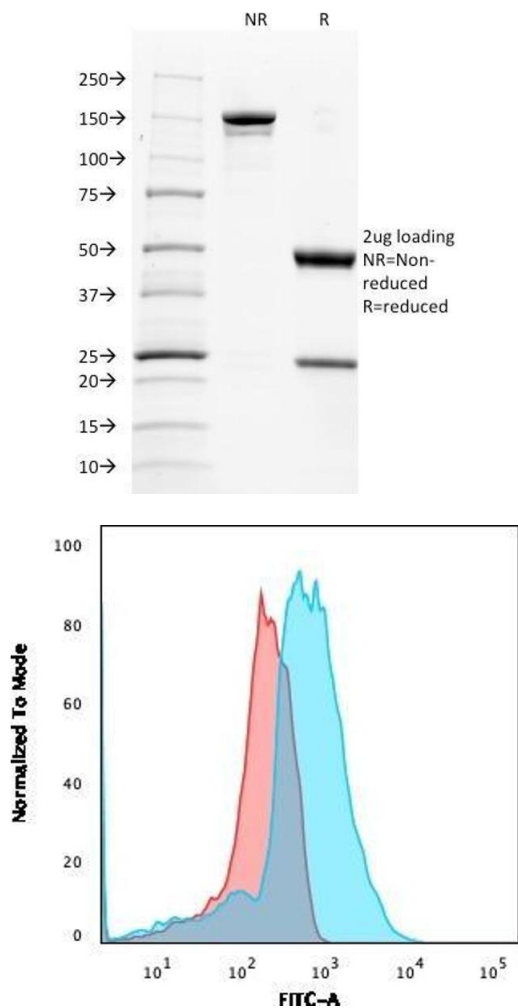
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

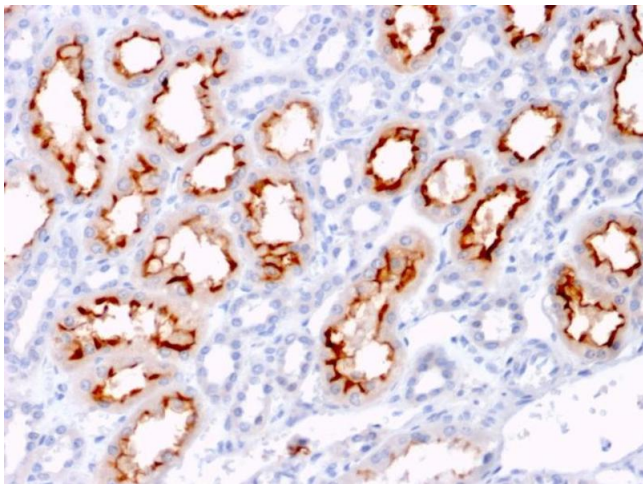


SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD137L-Monospecific Mouse Monoclonal Antibody (CD137L/1547). Confirmation of Purity and Integrity of Antibody.

Flow Cytometry

Image 2. Flow Cytometric Analysis of PFA-fixed HEK293 cells using CD137L-Monospecific Mouse Monoclonal Antibody (CD137L/1547) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with CD137L-Monospecific Mouse Monoclonal Antibody (CD137L/1547).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940973.