Datasheet for ABIN951249

anti-TNFSF4 antibody (Middle Region)

2 Images

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Overview

Quantity:	0.4 mL
Target:	TNFSF4
Binding Specificity:	AA 98-126, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNFSF4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 98-126 amino acids from the Central region of human TNFSF4
Isotype:	Ig Fraction
Specificity:	This antibody detects CD252 / TNFSF4 (Center).
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Protein A column followed by peptide affinity purification

Target Details

Target:	TNFSF4
Alternative Name:	CD252 / TNFSF4 (TNFSF4 Products)

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Target Details

Background:	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 receptor TNFRSF4/OX4. It is found to be involved in T cell antigen-presenting cell (APC) interactions. In surface Ig- and CD40-stimulated B cells, this cytokine along with CD70 has been shown to provide CD28-independent costimulatory signals to T cells. This protein and its receptor are reported to directly mediate adhesion of activated T cells to vascular endothelial cells.Synonyms: Glycoprotein Gp34, OX40 ligand, OX40L, TAX transcriptionally-activated glycoprotein 1, TXGP1, Tumor necrosis factor ligand superfamily member 4
Gene ID:	7292
NCBI Accession:	NP_003317
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Activated T Cell Proliferation, Cancer Immune Checkpoints

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) 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:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.

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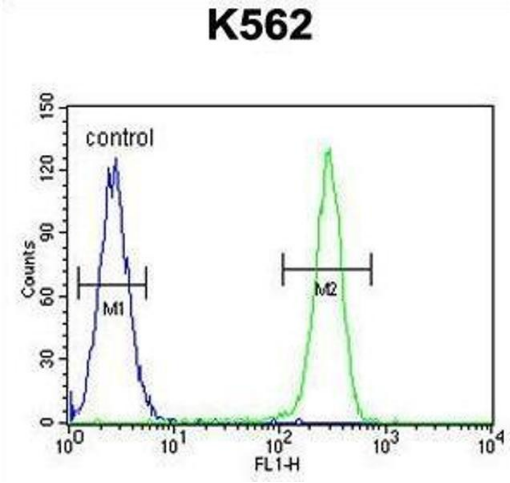
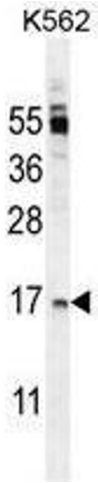


Flow Cytometry

Image 1. TNFSF4 Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. TNFSF4 Antibody (Center) western blot analysis in K562 cell line lysates (35 µg/lane). This demonstrates the TNFSF4 antibody detected the TNFSF4 protein (arrow).

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