10320 Camino Santa Fe, Suite G
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Anti-CD252 Picoband Antibody

Catalog # ABO12986

Specification

Anti-CD252 Picoband Antibody - Product Information

Application	**WB, E**
Primary Accession	P43488
Host	**Rabbit**
Reactivity	**Mouse**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for CD252 detection. Tested with WB, ELISA(Cap) in Mouse.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CD252 Picoband Antibody - Additional Information

Gene ID 22164

Other Names
Tumor necrosis factor ligand superfamily member 4, OX40 ligand, OX40L, CD252, Tnfsf4, Ox40l, Txgp1l

Application Details
Western blot, 0.1-0.5 µg/ml

 ELISA(Cap), 0.1-0.5 µg/ml

Subcellular Localization
Membrane; Single-pass type II membrane protein.

Contents
Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen
E. coli-derived mouse CD252 recombinant protein (Position: Q49-L198).

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-CD252 Picoband Antibody - Protein Information

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Name Tnfsf4

Synonyms Ox40l, Txgp1l

Function
Cytokine that binds to TNFRSF4. Co-stimulates T-cell proliferation and cytokine production.

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

Anti-CD252 Picoband 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-CD252 Picoband Antibody - Images

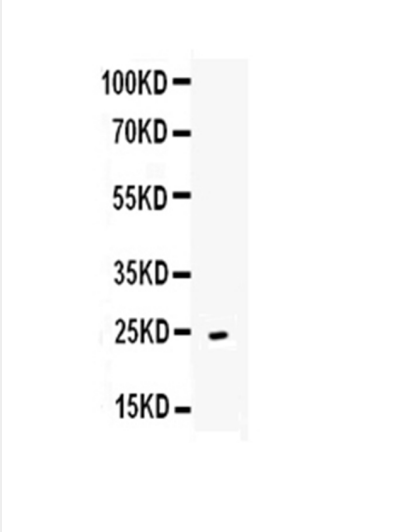

Figure 1. Western blot analysis of CD252 using anti-CD252 antibody (ABO12986). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: recombinant mouse CD252 protein 1ng.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CD252 antigen affinity purified polyclonal antibody (Catalog # ABO12986) at 0.5 Î¼g/mL overnight at 4Â°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CD252 at approximately 21-25KD. The expected band size for CD252 is at 18KD.

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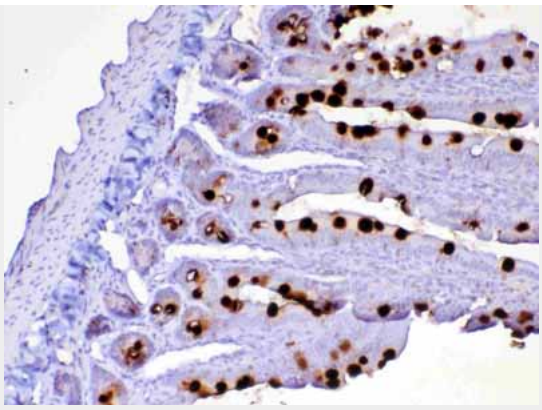

Figure 2. IHC analysis of CD252 using anti-CD252 antibody (ABO12986).CD252 was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1Î¼g/ml rabbit anti-CD252 Antibody (ABO12986) overnight at 4Â°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37Â°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

Anti-CD252 Picoband Antibody - Background

OX40L(TNFSF4) is the ligand for CD134 and is expressed on such cells as DC2s (a subtype of dendritic cells) enabling amplification of Th2 cell differentiation. This gene encodes a cytokine of the tumor necrosis factor (TNF) ligand family. The encoded protein functions in T cell antigen-presenting cell (APC) interactions and mediates adhesion of activated T cells to endothelial cells. Polymorphisms in this gene have been associated with Sjogren's syndrome and systemic lupus erythematosus. Alternative splicing results in multiple transcript variants.