

Datasheet for ABIN5692958

anti-TNFRSF4 antibody (AA 20-198)



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1 Image

Overview

Quantity:	100 µg
Target:	TNFRSF4
Binding Specificity:	AA 20-198
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNFRSF4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-CD134/OX40/Tnfrsf4 Antibody Picoband®
Immunogen:	E. coli-derived rat TNFRSF4 recombinant protein (Position: V20-L198).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-/OX40/Tnfrsf4 Antibody Picoband® (ABIN5692958). Tested in ELISA, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Target Details

Target:	TNFRSF4
Alternative Name:	Tnfrsf4 (TNFRSF4 Products)
Background:	Synonyms: Tumor necrosis factor receptor superfamily member 4, MRC OX40, OX40 antigen, OX40L receptor, CD134, Tnfrsf4, Ox40, Txgp1l Background: Tumor necrosis factor receptor superfamily, member 4, also known as ACT35 or CD134, is a cell surface glycoprotein that was discovered through the production of a monoclonal antibody raised against the HUT-102 cell line. It belongs to the tumor necrosis factor receptor superfamily. CD134 was mapped to 1p36 by fluorescence in situ hybridization. CD134 is the primary receptor for feline immunodeficiency virus. And CD134 expression can promote viral binding and renders cells permissive for viral entry, productive infection, and syncytium formation. Stimulating the receptor can improve the response to a powerful virus vector and may be useful in vaccine development.
Molecular Weight:	45 kDa
Gene ID:	25572
UniProt:	P15725
Pathways:	Production of Molecular Mediator of Immune Response , Cancer Immune Checkpoints

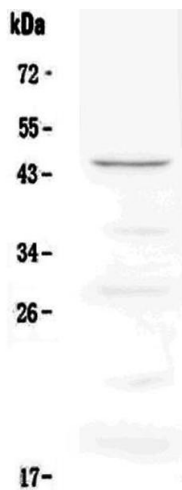
Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL ELISA, 0.1-0.5 µg/mL 1. Bansal-Pakala, P., Jember, A. G.-H., Croft, M. Signaling through OX40 (CD134) breaks peripheral T-cell tolerance. <i>Nature Med.</i> 7: 907-912, 2001. 2. Humphreys, I. R., Walzl, G., Edwards, L., Rae, A., Hill, S., Hussell, T. A critical role for OX40 in T cell-mediated immunopathology during lung viral infection. <i>J. Exp. Med.</i> 198: 1237-1242, 2003. 3. Jember, A. G.-H., Zuberi, R., Liu, F.-T., Croft, M. Development of allergic inflammation in a murine model of asthma is dependent on the costimulatory receptor OX40. <i>J. Exp. Med.</i> 193: 387-392, 2001. 4. Shimojima, M., Miyazawa, T., Ikeda, Y., McMonagle, E. L., Haining, H., Akashi, H., Takeuchi, Y., Hosie, M. J., Willett, B. J. Use of CD134 as a primary receptor by the feline immunodeficiency virus. <i>Science</i> 303: 1192-1195, 2004.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
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, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of CD134/OX40 using anti-CD134/OX40 antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat heart tissue lysates. 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-CD134/OX40 antigen affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL overnight at 4°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 (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for CD134/OX40 at approximately 45KD. The expected band

size for CD134/OX40 is at 29KD.