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Datasheet for ABIN2749179  
**anti-TNFRSF4 antibody**

1 Image

7 Publications

### Overview

Quantity:	0.1 mg
Target:	TNFRSF4
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	HTLV 1-transformed HUT-102 cells
Clone:	Ber-ACT35
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody Ber-ACT35 (also known as ACT35) recognizes an extracellular epitope of CD134 (TNFRSF4, OX40), an approximately 50 kDa type I transmembrane glycoprotein expressed on activated T cells.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

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Target:	TNFRSF4
Alternative Name:	CD134 ( <a href="#">TNFRSF4 Products</a> )
Background:	TNF receptor superfamily member 4,CD134 (TNFRSF4, also known as OX40) is a type I transmembrane glycoprotein of TNF/NGF receptor family expressed on activated T cells, fibroblasts, and hematopoietic precursors. Binding to its ligand (OX40L, TNFSF4) on antigen presenting cells gives to the T cell costimulatory signal, and this interaction results also in B cell proliferation and influences T cell memory pool. CD134 is upregulated at sites of inflammation, especially in case of multiple sclerosis and psoriatic lesions.,TNFRSF4, OX40, ACT35, IMD16, TXGP1L
Gene ID:	7293
UniProt:	<a href="#">P43489</a>
Pathways:	<a href="#">Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints</a>

## Application Details

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Application Notes:	Flow cytometry: Recommended dilution: 3-6 µg/mL. Immunohistochemistry: Recommended dilution: 5-10 µg/mL.
Restrictions:	For Research Use only

## Handling

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Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM 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.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

## Publications

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Product cited in:	Voo, Bover, Harline, Vien, Facchinetti, Arima, Kwak, Liu: "Antibodies targeting human OX40 expand effector T cells and block inducible and natural regulatory T cell function." in: <b>Journal of immunology (Baltimore, Md. : 1950)</b> , Vol. 191, Issue 7, pp. 3641-50, (2013) ( <a href="#">PubMed</a> ).
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Tanijiri, Shimizu, Uehira, Yokoi, Amuro, Sugimoto, Torii, Tajima, Ito, Amakawa, Fukuhara: "Hodgkin's reed-sternberg cell line (KM-H2) promotes a bidirectional differentiation of CD4+CD25+Foxp3+ T cells and CD4+ cytotoxic T lymphocytes from CD4+ naive T cells." in: **Journal of leukocyte biology**, Vol. 82, Issue 3, pp. 576-84, (2007) ([PubMed](#)).

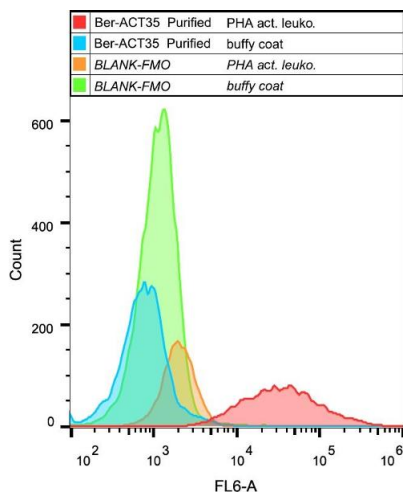
Willett, McMonagle, Ridha, Hosie: "Differential utilization of CD134 as a functional receptor by diverse strains of feline immunodeficiency virus." in: **Journal of virology**, Vol. 80, Issue 7, pp. 3386-94, (2006) ([PubMed](#)).

Li, Zhang: "The effect of anti-human CD134 monoclonal antibody on phytohemagglutinin-induced mRNA expression of perforin in peripheral blood mononuclear cells." in: **Cellular & molecular immunology**, Vol. 2, Issue 6, pp. 467-71, (2006) ([PubMed](#)).

Endl, Rosinger, Schwarz, Friedrich, Rothe, Karges, Schlosser, Eiermann, Schendel, Boehm: "Coexpression of CD25 and OX40 (CD134) receptors delineates autoreactive T-cells in type 1 diabetes." in: **Diabetes**, Vol. 55, Issue 1, pp. 50-60, (2005) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Images



**Flow Cytometry**

**Image 1.** Flow cytometry analysis (surface staining) of human PHA-activated leukocytes with anti-human CD134 (Ber-ACT35) purified, GAM APC.