

Datasheet for ABIN2688958
anti-TNFRSF4 antibody (Biotin)



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Overview

Quantity:	0.1 mg
Target:	TNFRSF4
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF4 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Brand:	BD Pharmingen™
Immunogen:	Activated rat lymph node cells
Clone:	OX
Isotype:	IgG2b kappa
Characteristics:	The OX-40 antibody reacts with the 50- kDa OX-40 Antigen (CD134), also known as OX-40 Receptor, on CD4+ T lymphocytes activated in vitro and in vivo. The antigen is a member of the NGFR/TNFR superfamily, which includes low-affinity nerve growth factor receptor, TNF receptors, the Fas antigen, CD137 (4-1BB), CD27, CD30, and CD40. CD134 supplies costimulatory signals for T-cell proliferation and effector functions. While OX-40 mAb is not mitogenic, it does augment some in vitro T-cell responses. It is also reported to block binding of OX-40 Ligand to OX-40 Antigen.

Product Details

BD Pharmingen™ Biotin Mouse Anti-Rat CD134 - Biotin - Clone OX-40 - Isotype Mouse IgG2b, κ -
Reactivity Rat - 0.1 mg

Purification: The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target: TNFRSF4

Alternative Name: CD134 ([TNFRSF4 Products](#))

Background: Synonyms: OX-40 Antigen

Pathways: [Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Aqueous buffered solution containing ≤0.09 % 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: The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.

Storage: 4 °C

Storage Comment: Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Publications

Product cited in: Weinberg, Vella, Croft: "OX-40: life beyond the effector T cell stage." in: **Seminars in immunology**, Vol. 10, Issue 6, pp. 471-80, (1999) ([PubMed](#)).

al-Shamkhani, Birkeland, Puklavec, Brown, James, Barclay: "OX40 is differentially expressed on activated rat and mouse T cells and is the sole receptor for the OX40 ligand." in: **European journal of immunology**, Vol. 26, Issue 8, pp. 1695-9, (1996) ([PubMed](#)).

Smith, Farrah, Goodwin: "The TNF receptor superfamily of cellular and viral proteins: activation, costimulation, and death." in: **Cell**, Vol. 76, Issue 6, pp. 959-62, (1994) ([PubMed](#)).

Mallett, Fossum, Barclay: "Characterization of the MRC OX40 antigen of activated CD4 positive T lymphocytes--a molecule related to nerve growth factor receptor." in: **The EMBO journal**, Vol. 9, Issue 4, pp. 1063-8, (1990) ([PubMed](#)).