

ARG23096 anti-CD134 / OX40 antibody [OX-40] (FITC)

Package: 50 µg
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [OX-40] recognizes CD134 / OX40. Mouse anti Rat CD134 antibody, clone OX-40 recognizes the OX40 antigen which is present on activated T lymphocytes that also express CD4 (Paterson et al. 1987). The antigen is a glycoprotein of approximately 50 kDa which is related in sequence to the low affinity Nerve Growth Factor Receptor (Mallett et al. 1990). Mouse anti Rat CD134 antibody, clone OX-40 is not mitogenic, but does enhance some T cell responses (Paterson et al. 1987).
Tested Reactivity	Rat
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	OX-40
Isotype	IgG2b
Target Name	CD134 / OX40
Species	Rat
Immunogen	Phytohemagglutinin (PHA) activated Rat Lymph Node Cells.
Conjugation	FITC
Alternate Names	CD134; TAX transcriptionally-activated glycoprotein 1 receptor; TXGP1L; OX40L receptor; Tumor necrosis factor receptor superfamily member 4; OX40; CD antigen CD134; IMD16; ACT35 antigen; ACT35

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50

Application Note FACS: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.09% Sodium azide and 1% BSA
Preservative	0.09% Sodium azide
Stabilizer	1% BSA
Concentration	0.1 mg/ml

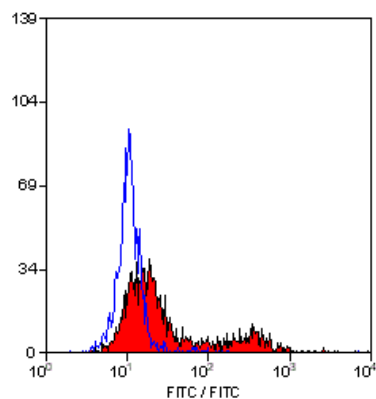
Storage instruction Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	Tnfrsf4
Gene Full Name	tumor necrosis factor receptor superfamily, member 4
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2L1/BCL2-XL, and thus suppresses apoptosis. The knockout studies also suggested the roles of this receptor in CD4+ T cell response, as well as in T cell-dependent B cell proliferation and differentiation. [provided by RefSeq, Jul 2008]
Function	Receptor for TNFSF4/OX40L/GP34. Is a costimulatory molecule implicated in long-term T-cell immunity. [UniProt]
Calculated Mw	29 kDa

Images



ARG23096 anti-CD134 / OX40 antibody [OX-40] (FITC) FACS image

Flow Cytometry: Stimulated Rat spleen cells stained with ARG23096 anti-CD134 / OX40 antibody [OX-40] (FITC).