

## ARG23159 anti-CD134 / OX40 antibody [7D6] (FITC)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [7D6] recognizes CD134 / OX40. Mouse anti Cat CD134 antibody, clone 7D6 recognizes feline CD134, otherwise known as OX40, a 43 kDa type I membrane protein and member of the tumor necrosis factor receptor superfamily, expressed predominantly by CD4+ activated T cells, and a key regulator of T cell-dependent immune responses. CD134 has been identified as the receptor for the OX40 ligand, CD252, expressed by activated B cells, acting as a co-stimulatory signal for the stimulation and secretion of immunoglobulins. CD134 has also been identified as a binding receptor for Feline Immunodeficiency Virus (FIV), acting along with CXC chemokine receptor 4 (CXCR4) to facilitate the entry of the virus into CD4+ primary target cells.
Tested Reactivity	Cat
Species Does Not React With	Ms
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	7D6
Isotype	IgG1
Target Name	CD134 / OX40
Species	Cat
Immunogen	CHO-derived feline CD134-Fc fusion protein.
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	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>FACS</td><td>Neat - 1:5</td></tr></tbody></table>	Application	Dilution	FACS	Neat - 1:5
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FACS	Neat - 1:5				
Application Note	FACS: Use 10 µl of the suggested working dilution to label 10 <sup>6</sup> 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

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Gene Symbol	TNFRSF4
Gene Full Name	TNF 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