

ARG23160 anti-CD134 / OX40 antibody [7D6]

Package: 100 µg
Store at: -20°C

Summary

Product Description	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, WB
Host	Mouse
Clonality	Monoclonal
Clone	7D6
Isotype	IgG1
Target Name	CD134 / OX40
Species	Cat
Immunogen	CHO-derived feline CD134-Fc fusion protein.
Conjugation	Un-conjugated
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	Assay-dependent
	WB	1 µg/ml
Application Note	FACS: Use 10 µl of the suggested working dilution to label 10 ⁶ cells in 100 µl. WB: This product detects a band of approximately 43 kDa. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

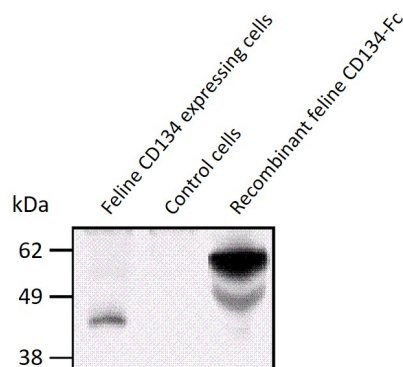
Form	Liquid
Purification	Purification with Protein A.

Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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	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

Images



ARG23160 anti-CD134 / OX40 antibody [7D6] WB image

Western blot: Feline CD134 expressing cells, Control cells and Recombinant feline CD134-Fc fusion protein stained with ARG23160 anti-CD134 / OX40 antibody [7D6] at 1 µg/ml dilution.