

Product datasheet for **AM01048FC-N**

TNFRSF4 Mouse Monoclonal Antibody [Clone ID: 7D6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7D6
Applications:	FC, WB
Recommended Dilution:	Flow Cytometry: 1/5; use 10µl of the suggested working dilution to label 1x10e6 cells in 100µl.
Reactivity:	Feline, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	CHO-derived feline CD134-Fc fusion protein.
Specificity:	This antibody recognizes Feline CD134, otherwise known as OX40. The antibody weakly reacts with Human. It does not react with Mouse.
Formulation:	Phosphate buffered saline pH 7.4 containing 0.09% Sodium Azide, 1% BSA Label: FITC State: Liquid purified Ig fraction Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor receptor superfamily member 4
Database Link:	Entrez Gene 7293 Human P43489



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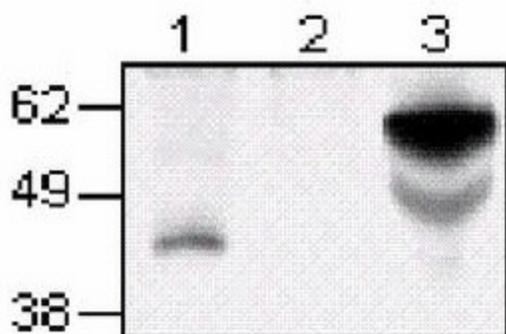
Background:

CD134 is a 43kDa 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.

Synonyms:

TNFRSF4, TXGP1L, ACT35 antigen, OX40L receptor

Product images:

Lane 1 - Feline CD134 expressing cells Lane 2 - Control cells Lane 3 - Recombinant feline CD134-Fc fusion protein (clone 7D6) used at 1ug/ml