

## ARG23640 anti-CD252 / OX40L antibody [ATM-2]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [ATM-2] recognizes CD252 / OX40L. This product specifically recognizes rat CD252, otherwise known as OX40L or CD134L, a ~22 kDa type II transmembrane glycoprotein and member of the TNF superfamily, expressed by antigen-presenting cells including activated dendritic cells and B cells, and also by vascular endothelium. The interaction of CD252 with its receptor OX40/CD134, acts as a co-stimulator of T cell activation, proliferation and both Th1 and Th2 cytokine production, and is also important in activated B cell proliferation and secretion of immunoglobulins (Igs). CD252/OX40 interaction has been implicated in HTLV-1 associated diseases including myelopathy and adult T cell leukaemia, and also with the autoimmune diseases rheumatoid arthritis and inflammatory bowel disease. Mouse anti Rat CD252 antibody, clone ATM-2 has been shown to block the co-stimulatory activity of CD252 on rat T cell proliferation.
Tested Reactivity	Rat
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	ATM-2
Isotype	IgG1
Target Name	CD252 / OX40L
Species	Rat
Immunogen	ACI-S1 Rat T-cell lymphoma cell line.
Conjugation	Un-conjugated
Alternate Names	OX40L; GP34; Glycoprotein Gp34; TXGP1; OX-40L; CD252; Tumor necrosis factor ligand superfamily member 4; OX40 ligand; OX40L; CD antigen CD252; TAX transcriptionally-activated glycoprotein 1; CD134L

### Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>FACS</td><td>Neat</td></tr></tbody></table>	Application	Dilution	FACS	Neat
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FACS	Neat				
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 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

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Gene Symbol	TNFSF4
Gene Full Name	tumor necrosis factor (ligand) superfamily, member 4
Background	This gene encodes a cytokine of the tumor necrosis factor (TNF) ligand family. The encoded protein functions in T cell antigen-presenting cell (APC) interactions and mediates adhesion of activated T cells to endothelial cells. Polymorphisms in this gene have been associated with Sjogren's syndrome and systemic lupus erythematosus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Function	Cytokine that binds to TNFRSF4. Co-stimulates T-cell proliferation and cytokine production. [UniProt]
Calculated Mw	21 kDa