

Datasheet: MCA4634F

Description:	MOUSE ANTI RAT CD252:FITC
Specificity:	CD252
Other names:	OX40 LIGAND
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	ATM-2
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Rat		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.1mg/ml		
Immunogen	ACI-S1 rat T-cell lymphoma cell line.		
External Database Links	UniProt: Q9Z2P3 Related reagents		

Entrez Gene:[89814](#) Tnfsf4 [Related reagents](#)

Synonyms	Ox40l, Txgp1
Specificity	Mouse anti Rat CD252 antibody, clone ATM-2 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.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
References	1. Yuan, X. <i>et al.</i> (2003) The role of the CD134-CD134 ligand costimulatory pathway in alloimmune responses <i>in vivo</i>. J Immunol. 170 (6): 2949-55. 2. Macphée, I.A. <i>et al.</i> (2006) Blockade of OX40-ligand after initial triggering of the T helper 2 response inhibits mercuric chloride-induced autoimmunity. Immunology. 117 (3): 402-8.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA1209F\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

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