

## Anti- Mouse CD252 (RM134L)

Fluorochrome	Reference	Size (µg)
Pure	MO252PU (V500)	500
Pure	MO252PU (V100)	100
FITC	MO252F (V500)	500
FITC	MO252F (V100)	100
FITC	MO252F (V25)	25
PE	MO252PE (V100)	100
PE	MO252PE (V25)	25
PerCP	MO252PP (V100)	100
PerCP	MO252PP (V25)	25
APC	MO252A (V100)	100
APC	MO252A (V25)	25
Biotin	MO252B (V100)	100
Biotin	MO252B (V25)	25
CF-Blue	MO252CFB (V100)	100
CF-Blue	MO252CFB (V25)	25
PerCP-Cyanine5.5	MO252PP5.5 (V100)	100
PerCP-Cyanine5.5	MO252PP5.5 (V25)	25

### PRODUCT DESCRIPTION

**Clone:** RM134L

**Isotype:** Rat IgG2b

**Tested application:** flow cytometry

**Immunogen:** The anti-CD252 monoclonal antibody derives from Rat NRK-52E cell line transfected with mouse OX-40L gene (Txgp11).

**Species reactivity:** Mouse

**Storage instruction:** store in the dark at 2-8 °C

**Storage buffer:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide (NaN<sub>3</sub>).

**Recommended usage:** Immunostep's CD252, clone RM134L, is a monoclonal antibody intended for the identification and enumeration of mouse sample lymphocytes that express CD252 using flow cytometry. This reagent is effective for direct immunofluorescence staining of mouse tissue for flow cytometric analysis using  $\leq 1 \mu\text{g}/10^6$  cells.

**Presentation:** liquid.

**Source:** Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.

**Purification:** Affinity chromatography.

### ANTIGEN DETAILS

**Large description:** The RM134L antibody reacts with CD252 a member of the TNF superfamily. The CD252 is expressed on activated B cells and antigen presenting cells.

CD252 interacts with OX-40 Antigen (CD134) found predominantly on activated T cells to increase proliferation and IL-2 production and to enhance proliferation and immunoglobulin secretion in activated B cells.<sup>(1-5)</sup>

**Other Names:** OX-40L, CD134L, CD252, TNFSF4

**Gene ID:** 22164

**Molecular weight:** 35 kDa

Please, refer to [www.immunostep.com](http://www.immunostep.com) technical support for more information.

### WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

### REFERENCES

1. Akiba H, Oshima H, Takeda K, Atsuta M, Nakano H, Nakajima A, et al. CD28-independent costimulation of T cells by OX40 ligand and CD70 on activated B cells. *J Immunol* 1999 Jun 15;162(12):7058-66.
2. Baum PR, Gayle RB, 3rd, Ramsdell F, Srinivasan S, Sorensen RA, Watson ML, et al. Molecular characterization of murine and human OX40/OX40 ligand systems: identification of a human OX40 ligand as the HTLV-I-regulated protein gp34. *EMBO J* 1994 Sep 1;13(17):3992-4001.
3. Calderhead DM, Buhlmann JE, van den Eertwegh AJ, Claassen E, Noelle RJ, Fell HP. Cloning of mouse Ox40: a T cell activation marker that may mediate T-B cell interactions. *J Immunol* 1993 Nov 15;151(10):5261-71.
4. Godfrey WR, Fagnoni FF, Harara MA, Buck D, Engleman EG. Identification of a human OX-40 ligand, a costimulator of CD4+ T cells with homology to tumor necrosis factor. *J Exp Med* 1994 Aug 1;180(2):757-62.
5. Stuber E, Neurath M, Calderhead D, Fell HP, Strober W. Cross-linking of OX40 ligand, a member of the TNF/NGF cytokine family, induces proliferation and differentiation in murine splenic B cells. *Immunity* 1995 May;2(5):507-21.

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