

## 10-7662: Monoclonal antibody to mouse OX40 (CD134) (Clone: OX-86)

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|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal                                  |
| <b>Clone Name :</b>            | OX-86                                       |
| <b>Application :</b>           | WB  |
| <b>Reactivity :</b>            | Mouse                                       |
| <b>Gene :</b>                  | Tnfrsf4                                     |
| <b>Gene ID :</b>               | 22163                                       |
| <b>Uniprot ID :</b>            | P47741                                      |
| <b>Format :</b>                | Purified                                    |
| <b>Alternative Name :</b>      | OX40 antigen, OX40L receptor, Ox40, Txgp1   |
| <b>Isotype :</b>               | Rat IgG1, kappa                             |
| <b>Immunogen Information :</b> | Recombinant mouse OX40-CD4 chimeric protein |

### Description

The OX-86 monoclonal antibody reacts with mouse OX-40 also known as CD134. OX-40 is a 50 kDa type I membrane glycoprotein and a member of the TNF receptor superfamily. OX-40 is expressed on activated CD4 and CD8 T cells, but is not found on resting naïve T cells or most resting memory T cells. Although it was originally thought that OX-40 expression was restricted to activated conventional T cells, it has now been visualized on activated regulatory T cells, NKT cells, NK cells, and neutrophils. OX-40 plays a major role in regulating both CD4 and CD8 T cell clonal expansion. It provides a costimulatory signal to an antigen-reacting naïve T cells to prolong proliferation, as well as augment the production of several cytokines. This is demonstrated by OX-40 knockout mice which generate fewer primary effector CD4 T cells after immunization. Furthermore, *in vivo* treatment with an agonist antibody to OX-40 has been shown to strongly enhance the generation of antigen-specific effector T cells and prevent the induction of T cell tolerance. The OX-86 antibody is an agonistic antibody that has been shown to delay tumor growth *in vivo*.

### Product Info

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| <b>Amount :</b>            | 100 µg  |
| <b>Purification :</b>      | Protein G Chromatography  |
| <b>Content :</b>           | PBS, pH 7.0. Contains no stabilizers or preservatives.  |
| <b>Storage condition :</b> | The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze. |

### Application Note

*in vivo* OX40 activation, *in vitro* OX40 activation, Western blot