

Code No. 10909

**Anti-
CD134/OX40 (B7-B5) Mouse IgG MoAb**

Volume : 100 µg

Introduction : CD134/OX40 is a receptor of OX40 ligand (OX40L) transactivated by Tax of HTLV-1. OX40 is expressed in activated CD4⁺ and CD8⁺ T cells. OX40 on the activated T cells have a role in proliferation of T cells and production of cytokines by binding with OX40L expressed on antigen presenting cells like dendritic cells or activated B cells. In addition, it also be involved in activated T cell invasion to inflamed area through the binding with OX40L.

Antigen : Recombinant soluble OX40

Source : Mouse-Mouse hybridoma
(SP2/0 × BALB/c mouse spleen cells)

Clone : B7-B5

Subclass : IgG₁

Purification : Gel filtration chromatography following ammonium sulfate precipitation

Form : Lyophilized product from PBS containing 1 % BSA and 0.05 % NaN₃

How to use : 0.2 mL deionized water will be added to the product, then its concentration comes to 500 µg/mL

Stability : Lyophilized product, 5 years at 2 - 8 °C
: Solution, 2 years at -20 °C

Application : This antibody can be used for western blotting in concentration of 10 µg/mL.
: This antibody can be used for immuno-precipitation at 10 µg /test
: This antibody can be used for flow cytometry analysis at 1 µg (per 1×10⁵ cells)
: This antibody can be used for ELISA (as a capture antibody) in concentration of 5 µg/mL

Reference : 1. Kondo K, Okuma K, Tanaka R, Matsuzaki G, Ansari AA, Tanaka Y. Rapid induction of OX40 ligand on primary T cells activated under DNA-damaging conditions. Hum Immunol. 2008 Sep;69(9) : 533-42.
2. Kondo K, Okuma K, Tanaka R, Zhang LF, Kodama A, Takahashi Y, Yamamoto N, Ansari AA, Tanaka Y. Requirements for the functional expression of OX40 ligand on human activated CD4⁺ and CD8⁺ T cells. Hum Immunol. 2007 Jul;68(7) : 563-71.

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