

Anti-Mouse CD30 SAFIRE Purified

Catalog Number :02412-25

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: mCD30.1

Format/Conjugate: SAFIRE Purified

Concentration: 1 mg/mL

Reactivity: Mouse

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

Isotype: Armenian Hamster IgG

Formulation: Phosphate-buffered aqueous solution, pH7.2.

Storage: Product should be kept at 2-8°C.

Applications: FC, FA

Description

The mCD301 monoclonal antibody specifically binds to mouse CD30, a member of the Tumor Necrosis Factor Receptor (TNFR) superfamily. It is expressed on activated T, B, NK, and monocyte cells. Its expression on activated T lymphocytes is regulated by cytokines and CD28. The ligand for CD30 is CD153. It has been suggested that the molecule plays a role in the protection against autoimmunity and the regulation of Th1 and Th2 cytokine secretion.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Siegmund, T., Armitage, N., Wicker, L. S., Peterson, L. B., Todd, J. A., Lyons, P. A. (2000). Analysis of the mouse CD30 gene: a candidate for the NOD mouse type 1 diabetes locus Idd9. 2.;Diabetes;49(9), 1612-1616.
2. Falini, B., Pileri, S., Pizzolo, G., Dürkop, H., Flenghi, L., Stirpe, F., ... Stein, H. (1995). CD30 (Ki-1) molecule: a new cytokine receptor of the tumor necrosis factor receptor superfamily as a tool for diagnosis and immunotherapy.;BLOOD-NEW YORK-;85, 1-1.
3. Heath, W. R., Kurts, C., Caminschi, I., Carbone, F. R., Miller, J. F. (1999). CD 30 prevents T-cell responses to non-lymphoid tissues.;Immunological reviews;169(1), 23-29.
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