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Technical Data Sheet

Anti-Mouse CD30 SAFIRE Purified

Catalogue 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 affinity chromatography. 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 Tcell responses to nonlymphoid tissues.;Immunological reviews,;169(1), 23-29.

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