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Technical Data Sheet

Anti-Human CD25 Purified

Catalog Number :07311-20

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

Product Information

Clone: BC96

Format/Conjugate: Purified

Concentration: 0.5 mg/mL

Reactivity: Human

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

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

Isotype: Mouse IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The BC96 monoclonal antibody specifically reacts with the 55 kDa type I transmembrane glycoprotein known as the interleukin-2 receptor α (IL-2R α, also known as CD25). CD25 is expressed by the early progenitors of T and B lymphocytes lineage, and by activated mature T and B lymphocytes. CD25 is a low affinity interleukin-2 receptor, but its association with the IL-2 receptor β chain (CD122) and the common γ chain (CD 132) results in a high affinity IL-2R complex. CD25 plays an important role in B and T cell proliferation, differentiation, and activation.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

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.Schlossman, S., L. Bloumsell, et al. eds (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York

2. Zhang, B., Zhang, X., Tang, F. L., Zhu, L. P., Liu, Y., Lipsky, P. E. (2008). Clinical significance of increased CD4+ CD25− Foxp3+ T cells in patients with new-onset systemic lupus erythematosus.;Annals of the rheumatic diseases,67(7), 1037-1040.

3. Chapel, A., Bensussan, A., Vilmer, E., Dormont, D. (1992). Differential human immunodeficiency virus expression in CD4+ cloned lymphocytes: from viral latency to replication.;Journal of virology,;66(6), 3966-3970.

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